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A CODE OF

Universal Naval Signals.

LONDON:

LONGMAN, REES, ORME, BROWN, GREEN, & LONGMAN,

Paternoster Row:

AND G. TREMLETT, BRISTOL.

MDCCCXXXV.

35.

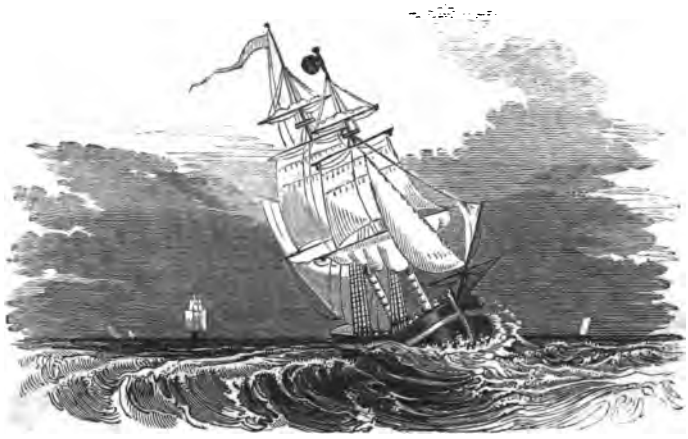
777

ERRATA.

Page 25, at bottom, insert, "526—0. cypher, s."
„ 34, No. 543, insert, "veer, (cable.)"
„ 47, for No. 4633 read 4623.

A CODE OF

Universal Naval Signals.



1. "*We are in great distress, can you assist us?*"

A CODE

OF

UNIVERSAL NAVAL SIGNALS,

Calculated to afford the means of Communication between

SHIPS OF ALL NATIONS;

AND

ARRANGED SO AS TO BE EASILY TRANSLATED INTO FOREIGN LANGUAGES:

IN WHICH ARE INCLUDED

NIGHT SIGNALS,

A PLAN FOR BOAT SIGNALS AND FOR A SEMAPHORE OR TELEGRAPH;

TOGETHER WITH

A CYPHER FOR SECRET CORRESPONDENCE.

BIBLIOTHECA BODLEIANA

BY

H. CRANMER PHILLIPPS, R. N.

LONDON:

PUBLISHED BY LONGMAN, REES, ORME, BROWN, GREEN, AND LONGMAN, PATERNOSTER ROW; AND SOLD BY J. W. NORIE AND CO., LEADENHALL STREET; G. TREMLETT, BRISTOL; G. AND J. ROBINSON, LIVERPOOL; BRASH AND CO., GLASGOW; GODDARD, HULL; HARRISON, PORTSMOUTH; AND CURTIS, PLYMOUTH.

MDCCCXXXV.

777.

CHILCOTT, PRINTER, BRISTOL.

TO

THE COMMANDERS AND OFFICERS

OF THE

MERCHANT SERVICE,

THE FOLLOWING

ATTEMPT TO FORM A CODE OF INTERNATIONAL SIGNALS,

IN THE HOPE THAT

IT MAY BE FOUND TO FACILITATE

THE INTERCOURSE BETWEEN VESSELS OF ALL COUNTRIES,

IS RESPECTFULLY DEDICATED,

BY

THE AUTHOR.

INTRODUCTION.

There are few experienced seamen who will not be able to recollect occasions, where they have felt the want of some contrivance, by means of which ships of *different* nations might be enabled to make known their wants, or communicate any intelligence of importance, (such as news of peace or war, of blockades, embargoes, contagious diseases, &c.) without the delay and inconvenience usually attending any attempt at speaking; or when from their ignorance of each other's language, even this might be impracticable.

It can scarcely indeed be doubted, that many lives, and much valuable property might often be preserved, were there established some code of signals common to all countries, by which a foreign vessel could be warned of any danger, or be enabled herself to point out the exact nature of any assistance she might require. Nor would it be unimportant, either, that Naval Officers should thus have frequent opportunities afforded them, for paying those attentions, and rendering such useful offices to one another, as may tend, perhaps, in no slight degree, to promote feelings of harmony and good will amongst foreigners.

The signals hitherto in use, although excellent in other respects, are not calculated for the above purposes. They are all *alphabetically* arranged; and as they could not therefore be translated into other languages, without some change of form, they can only be made the medium of communication between vessels of the same country. From the variety of colours em-

ployed in them, they may be liable, besides, to some confusion when seen from afar; and from the expense attending them, must be necessarily confined to our larger and richer class of traders.

In the plan here proposed, it has been the object of the author to unite the greatest possible economy of means, with sufficient extension of application; so that while his scheme might be placed within the reach of the smallest coasting vessel, it should at the same time be found comprehensive enough for all the ordinary exigencies of foreign commerce.

The number of flags has been reduced from sixteen to five only, one of which may be the National Jack; and as these are distinguished by shape rather than by colour, they will be easily made out at a much greater distance.

How far, however, he has succeeded in this attempt, to form what may be considered in some sort, a kind of universal language for seamen, must be left for others to decide; the utility of such an undertaking will depend indeed in a great measure upon an early and extensive circulation, in promoting which he may be permitted to claim the aid of those, who think it likely to prove generally advantageous.

ALBANY, LONDON,
March, 1835.

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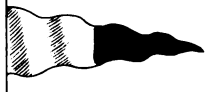
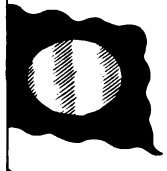
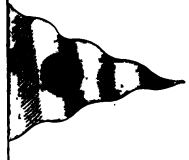
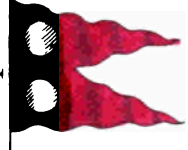
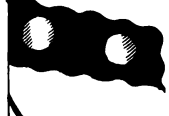
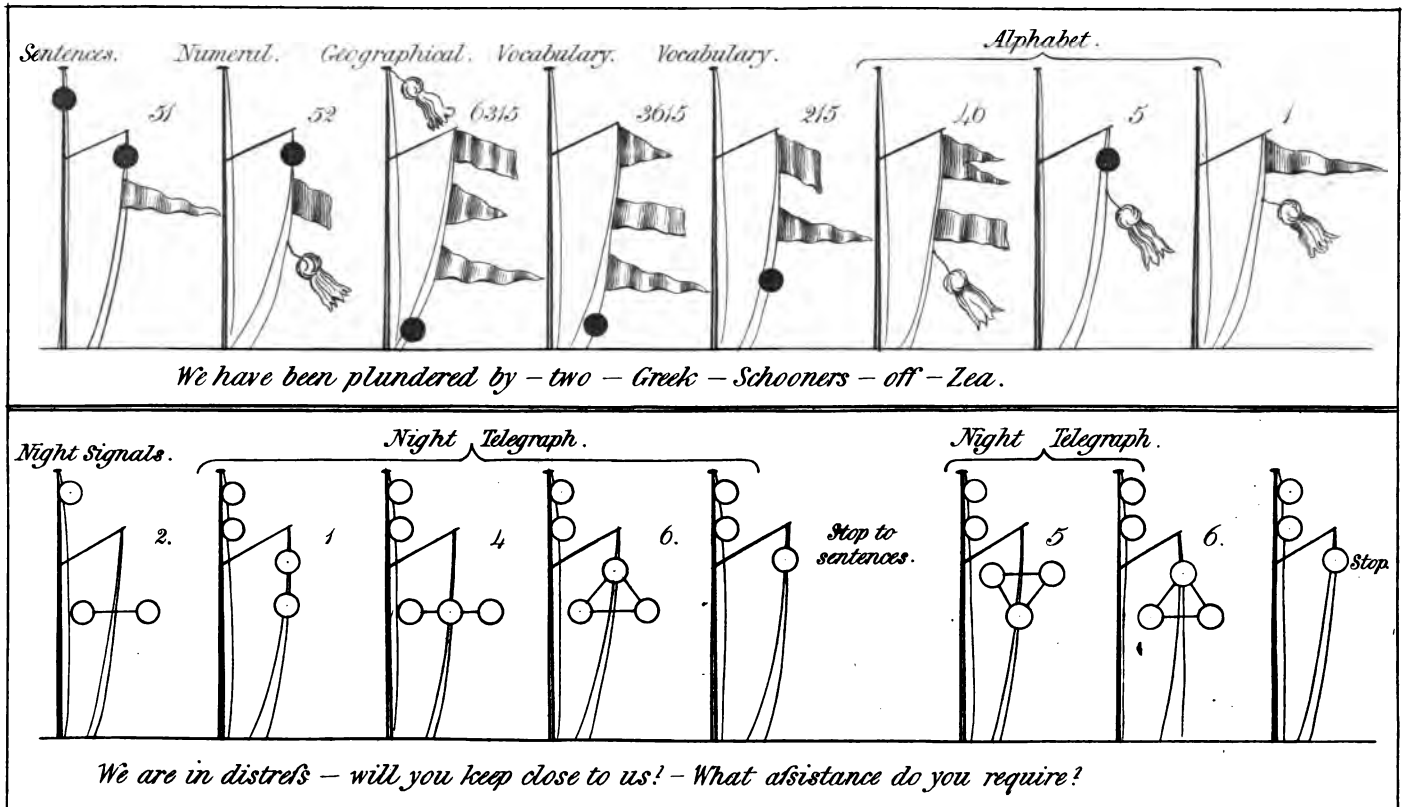
A few of the preceding will be thought, perhaps, almost useless additions; but it may not be amiss to notice the various circumstances, under which signals can sometimes be made, and the means that are applicable to them: it is possible, by their insertion, some increased facilities may be afforded to commercial enterprize; some risk or inconvenience avoided.

Particular attention is directed to the Notes explanatory of each part, and to the examples given.

The FLAGS or SIMBOLS used in the following SIGNALS, are

Priv. sig.	Number.	Flags or Simbols.	Description.	Signification when hoisted singly.	Cypher.
	1		A PENDANT, of any colour.	ANSWER.	
	2		THE NATIONAL JACK, or any other quadrangular flag	PILOT. If at Anchor, Sailing.	
	3		A GUIDON, or triangular flag.	CONVOY. If at Anchor, Quarantine.	
	4		A CORNETTE, or swallow tailed flag.	Negative as answer, or to the following signal. Annul to preceding signal	
	5		TWO BALLS, about 3 feet in diameter.	As answer, "Signal not made out".	
	6		A VANE.	Affirmative.	
			A WHEFT, made with the ensign, or other large flag.	Geographical.	

Note. Although no particular colours are required in this plan, the above may be recommended to such as are not provided with Flags of a similar form.


Sentences.
Numeral.
Geographical.
Vocabulary.
Vocabulary.
Alphabet.
51
52
6315
3615
215
40
5
1
We have been plundered by – two – Greek – Schooners – off – Zea.
Night Signals.
Night Telegraph.
Night Telegraph.
2.
1
4
6.
Stop to sentences.
5
6.
Stop.
We are in distress – will you keep close to us? – What assistance do you require?

SIZE OF THE FLAGS.

The Flag, Guidon, and Cornette, should be each about six feet in the head, by eight the fly.

The Pendant, four feet by sixteen.

The Vane, three feet by ten.

The Ball, about three feet in diameter.

The Vane No. 6. should be fitted, so that it may be shewn in a vertical form, as No. 7, see page 150.

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NOTE.

Wherever more than one blank appears in any of the following Sentences, the words omitted are to be given afterwards in the order implied by the vacant spaces, remembering always that when they are taken from the Vocabulary, or Geographical Tables, the distinguishing signal must be altered. As—

3561 (geographical)—3514 (sentences)—5215 (geog.)

"The French—fleet is returned to—Toulon."

3256 (sentences)—3561 (geog.)—153 (geog.)

"War is expected between—France and—Russia."

463 (sentences)—123 (numeral)—261 (compass sig.)

"We shall alter our course at—twelve o'clock to—East-north-east."

Every signal, when clearly made out, should be answered by the pendant No. 1. When the *flags* cannot be distinguished, a ball may be hoisted singly.

Those sentences which are marked with an asterisk may be also made by the Distant Signals. See page 146.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

	1 We are in great DISTRESS, can you ASSIST us ?*
	2 Are you, or is she, in want of any ASSISTANCE ?
	3 You are, or she is, running into DANGER.*
	4 An ENEMY is in sight.*
	5 Have you the "UNIVERSAL NAVAL SIGNALS ?"
	6 I have important INTELLIGENCE to communicate.*
Distress.	12 We are AGROUND.
	13 We are BILGED.
	14 We have sprung a LEAK.
	15 Our LEAK is dangerous.
	16 Our PUMPS are choaked.
	21 Our ENGINES are out of order.
In Want.	23 We are in WANT of ——
	24 We are in want of WATER.
	25 We are in want of PROVISIONS.
	26 We are in want of an ANCHOR and CABLE.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Loss.	31 We have no ANCHOR.
	32 We have LOST ——
Damage.	34 We have INJURED or SPRUNG our ——
	35 We have received much DAMAGE.
	36 Our CARGO is damaged.
	41 Obliged to discharge the CARGO.
	42 Have you sustained much DAMAGE?
	43 How long will it require to repair your, or her, DAMAGES?
	45 We are very little DAMAGED.
	46 We have, or she has, been ATTACKED by ——
	51 We have, or she has, been PLUNDERED by ——
Assistance.	52 We are in want of immediate ASSISTANCE.
	53 Can you give us any ASSISTANCE?
	54 If we have, or she has, not immediate ASSISTANCE.
	56 What ASSISTANCE do you require?
	61 How much, or HOW many, do you want of ——?
	62 We cannot render you any ASSISTANCE.
	63 I will ASSIST you, or assistance will be sent you immediately.
	64 We cannot get under WEIGH without assistance.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Parting Cable.	65	We are in danger of PARTING our CABLE.
	123	We are obliged to CUT or SLIP our cable.
	124	We have PARTED our cable.
	125	Will you take up our ANCHOR and CABLE?
Assistance.	126	In want of assistance from BOATS.*
	132	Send BOATS with HAWSERS.
	134	We have no BOAT on board.
	135	We have no BOAT in repair.
	136	Can you LEND or SPARE us ——?
	142	Can you take us in TOW?
	143	Shall I take you in TOW?
	145	We cannot take you in TOW.
Keeping Near.	146	Will you keep CLOSE to us?
	152	I will keep CLOSE to you during the night.
	153	Will you keep within SIGNAL distance?
	154	I will keep you in SIGHT.
	156	Will you carry a LIGHT during the night?
	162	I will carry a LIGHT during the night.
Danger.	163	Are you in imminent DANGER?
	164	We run great RISK of ——
	165	It is very DANGEROUS.
	213	If there is any DANGER.
	214	Is there any DANGER?
	215	There is no DANGER.
	216	It is not quite SAFE to ——

SENTENCES.

A BALL.

To be hoisted separately where best seen.

231 Do not attempt to LEAVE the vessel.

Keeping Company

234 Shall we keep COMPANY?

235 Where shall we RENDEZVOUS in case of parting company?

236 We will RENDEZVOUS at ——

241 What COURSE shall you steer?

243 We shall STEER ——

COMPASS signals, Nos. 245 to 462, see p. 22.

463 We shall alter our COURSE at—o'clock, to—

465 We shall TACK at —— o'clock.

512 We shall HEAVE to at —— o'clock.

513 I mean to CARRY sail all night.

514 We shall keep under easy SAIL all night.

516 We cannot CARRY sail.

521 I shall BEAR up.

523 What do you INTEND doing?

524 In case the WIND comes from ——

526 Should it continue to BLOW.

Aproaching Land.

531 What SOUNDINGS have you?

532 The water is very SHOAL.

534 I have SOUNDED in fathoms ——

536 We have no SOUNDINGS.

541 Shall you try to make the LAND to-night?

542 I shall try to make the LAND to-night.

543 I shall not attempt to make the LAND to-night.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

546 Keep a good LOOK out for the LAND.
561 I will run ahead and try to make the LAND.
Making Land. 562 LAND is in sight in the ——*
563 What is the LAND in sight?
564 The PORT is on the ——
612 Are you ACQUAINTED with —— ?
613 I am well ACQUAINTED with ——
614 What are the MARKS for —— ?
615 I have no KNOWLEDGE of ——
621 Have you a CHART of —— ?
623 You must take a PILOT.
624 Have you a PILOT?
625 We have a PILOT.
631 We are in want of a PILOT.
632 Shall I send you a PILOT?
Going into Port. 634 Follow us, we will PILOT you.
635 It is a BAR harbour.
641 The BAR is dangerous.
642 The BAR is not dangerous.
643 The BAR can only be crossed at high water.
645 The BAR may be crossed at ——
651 Can we cross the BAR?
652 How much water do you, or does she, DRAW?
653 You may cross the BAR.
654 Shall you ANCHOR?

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Anchoring.	1234 I shall ANCHOR, if circumstances permit.
	1235 You must ANCHOR.
	1236 The ANCHORAGE is ——
	1243 The ANCHORAGE is not safe with the wind from ——
	1245 We are in DANGER, point out how we should steer.
	1246 There are ROCKS, or a shoal ahead.
	1253 There are ROCKS, or a shoal, on your STARBOARD bow.
	1254 There are ROCKS, or a shoal, on your LARBOARD bow.
	1256 There are ROCKS, or a shoal ——
	1263 You will be AGROUND if you continue.
	1264 Will you LEAD in?
	1265 I will LEAD you to the best birth.
	1324 Is where I now am a good BIRTH?
	1325 You are too NEAR ——
	1326 The best BIRTH bears of you ——
	1342 You are in a good BIRTH now.
At Anchor.	1345 We are going to VEER cable.
	1346 Are you going ON SHORE?
	1352 I am going ON SHORE.
	1354 Will you meet me ON SHORE?
	1356 I cannot go ON SHORE.
	1362 I shall send a BOAT on shore.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

	1364	My BOAT is on shore.
	1365	Will you lend me a BOAT?
	1423	Our BOAT is adrift, can you pick her up?
	1425	A MAN is OVERBOARD, try to save him.
Communication.	1426	Shall you SEND ——?
	1432	I am GOING to ——
	1435	You are WANTED at ——
	1436	Is the CAPTAIN on board?
	1452	—— is not ON BOARD.
	1453	I wish to see the CAPTAIN.
	1456	As SOON as possible.
	1462	Will it be convenient?
	1463	Will you DINE with me at ——?
	1465	At what HOUR?
	1523	At the USUAL time.
Sailing.	1524	When shall you be ready for SEA?
	1526	I shall be ready for SEA ——
	1532	When shall you SAIL?
	1534	We shall endeavour to SAIL ——
Advice.	1536	What do you ADVISE?
	1542	I ADVISE you ——
	1543	Is there any NECESSITY for ——?
	1546	Do you think it POSSIBLE?
	1561	I do not think it POSSIBLE.
	1562	If we are ABLE; if POSSIBLE.
	1564	Will not be ABLE; will be IMPOSSIBLE.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Opinion.	1623	It will be very DIFFICULT.
	1624	It will be of no USE.
	1625	It is of great CONSEQUENCE.
	1632	Will you make the ATTEMPT?
	1634	Shall we make another ATTEMPT?
	1635	If it can be done without RISK.
	1642	Have you SUCCEEDED?
	1643	Be PREPARED for ——
	1645	We are quite UNPREPARED for ——
	1652	Use all possible DISPATCH.
	1653	Lose no time in QUITTING this anchorage.
Enemy.	1654	There is intelligence of an ENEMY.*
Seeing a Stranger.	2134	A STRANGER is in sight in the ——*
	2135	How is she, or are they, STANDING?
	2136	What do you think of the STRANGER?
	2143	Do you think the STRANGER is ——?
	2145	She has shown her COLOURS.
	2146	Of what NATION is she?
	2153	I cannot make out her FLAG.
	2154	Can you MAKE OUT ——?
	2156	Endeavour to ASCERTAIN ——
Arms.	2163	Vessel-s appear to be ARMED.*
	2164	How many GUNS does she mount?
	2165	She appears to CARRY ——
	2314	How are you ARMED?
	2315	We are not ARMED.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Stranger in Sight.	2316	What NUMBER have you of —— ?
	2341	We have GUNS in No. ——
	2345	Shall we give CHASE?
	2346	I shall give CHASE.
	2351	What COLOURS shall we hoist?
	2354	Show no COLOURS or SIGNALS.
Engagement.	2356	Prepare for ACTION.*
	2361	Shall we commence ACTION?
	2364	Commence ACTION.
	2365	Vessel seems to be in DISTRESS.
Meeting at Sea.	2413	What VESSEL is she? or are they?
	2415	The VESSEL is —— vessels are ——
	2416	I have, or vessel has, a LICENSE from —
	2431	What is your, or her, NAME? what is the name of —— ?
	2435	Where do you, or does she, BELONG to?
	2436	I BELONG to —— she belongs to ——
	2451	Where do you, or does she, COME from?
	2453	I COME from —— she comes from ——
	2456	Where are you, or is she, BOUND to?
	2461	I am BOUND to — she is BOUND to —
	2463	To whom are you CONSIGNED?
	2465	I am CONSIGNED to ——
	2513	Who is your OWNER?
	2514	How many DAYS are you OUT?
	2516	We are out DAYS in No. ——

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Meeting at Sea.	2531	What is your CARGO?
	2534	CARGO consists of ——
	2536	We are not LOADED.
	2541	When did you LEAVE?
	2543	We SAILED on the ——
	2546	When did you PART company from ——?
	2561	It is (No.) days since we PARTED from—
Information.	2563	Have you SEEN any vessel since?
	2564	What VESSELS did you leave at ——?
	2613	What MEN OF WAR did you leave at—?
	2614	Are there any ARRIVALS from ——?
	2615	— is ARRIVED—or, are ARRIVED.
	2631	— was—or, were not ARRIVED.
	2634	— has—or, have been DETAINED by —
	2635	— was—or, were WARNED off from —
	2641	— was—or, have been CAPTURED by—
	2643	— is—or, are taken PRISONERS.
	2645	— has been WRECKED, or lost.
	2651	— has, or have been OBLIGED to ——
	2653	Do you KNOW any thing of ——?
	2654	I do not KNOW.
	3124	I have not HEARD.
	3125	How is, or HOW ARE ——
	3126	Has, or have met with an ACCIDENT.
	3142	— is or are, was or were, ALL WELL.
	3145	Have you been SPOKEN by ——?

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Intelligence.

3146 Have you SEEN ——
3152 I have seen an ENEMY.
3154 I have seen a SUSPICIOUS vessel.*
3156 I have MET with ——
3162 How long SINCE?
3164 How is she PAINTED?
3165 Should you MEET with ——
3214 Have you any INSTRUCTIONS for —?
3215 I have, or she has, DISPATCHES for —*
3216 Will you give the following INFORMATION to ——?
3241 Our CONSUL, or minister, at ——
3245 The COMMANDING officer at ——
3246 Have you any INTELLIGENCE?
3251 What is your latest NEWS? or newspaper?
3254 It is REPORTED that ——
3256 WAR is expected between —— and ——
3261 HOSTILITIES have commenced between —— and ——
3264 There has been an ENGAGEMENT between ——
3265 PEACE is expected between —— and ——
3412 PEACE is proclaimed between —— and ——
3415 A REVOLUTION has taken place in ——
3416 There have been DISTURBANCES at ——

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Intelligence.	3421	The following ports are declared in a state of BLOCKADE.
	3425	The BLOCKADE has ceased at ——
	3426	No COMMUNICATION is allowed with—
	3451	You will be liable to SEIZURE.
	3452	An EMBARGO has been laid on at ——
	3456	The EMBARGO has been taken off from—
	3461	STOP the sailing of ——
	3462	The FLEET is ready for sea at ——
	3465	— FLEET has put to sea from ——
	3512	— FLEET has been seen near ——
	3514	— FLEET is returned to ——
	3516	Who is our ADMIRAL?
	3521	Who is the COMMANDER of ——
	3524	A CHANGE is expected in ——
	3526	A CHANGE has taken place in ——
	3541	Entered into the following TREATY or AGREEMENT.
Commerce.	3542	There is a new TARIFF at ——
	3546	The following ALTERATIONS are made.
	3561	The following DUTIES have been laid upon ——
	3562	A heavy DUTY has been laid upon ——
	3564	— has been totally PROHIBITED in ——
	3612	The DUTIES have been lowered upon —
	3614	— is admitted free of DUTY.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Commerce.	3615	Can you tell me the PRICE of —— at ——
	3621	— bears a high PRICE at ——
	3624	— has greatly fallen in PRICE.
	3625	There is a great SCARCITY of ——
	3641	There is, or there are, ABUNDANCE of—
Signals.	3642	Do you clearly UNDERSTAND?
	3645	I do not UNDERSTAND.*
	3651	There is some MISTAKE.
	3652	Unable to comply with the SIGNAL.*
	3654	Repeat the last SIGNAL.*
	4123	Repeat the following SIGNALS to vessel pointed out.
	4125	We are about to repeat SIGNALS from indicated vessel-s.
	4126	Attend to the following NIGHT SIGNALS.
	4132	Use the CONVOY SIGNALS.
	4135	Use the PRIVATE SIGNALS.
	4136	Have you our CYPHER.
	4152	The message about to be made is intended to be PRIVATE.
Warning.	4153	Do not permit any INTERCOURSE with—
	4156	Be upon your GUARD against ——
	4162	WARN all vessels that ——
Sickness.	4163	There is a CONTAGIOUS DISEASE at—
	4165	The PLAGUE has broken out at ——
	4213	Has the PLAGUE ceased at ——

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Sickness.	4215 TRADE is quite suspended at ——
	4216 TRADE is REVIVING at ——
	4231 She has a CONTAGIOUS DISEASE.
	4235 Are there any SICK on board?
	4236 We have SICK on board.
	4251 Is the SICKNESS contagious?
Quarantine.	4253 Shall I be put in QUARANTINE at——
	4256 You will be put in QUARANTINE.
	4261 How long is the QUARANTINE?
	4263 She is in QUARANTINE.
	4265 You must perform QUARANTINE.
Reckoning.	4312 What is your RECKONING?
	4315 What is your LATITUDE?
	4316 What is your LONGITUDE?
	4321 LATITUDE ——
	4325 LONGITUDE ——
	4326 Longitude by CHRONOMETER ——
	4351 What are the BEARINGS and DISTANCE from the nearest land?
	4352 What are the BEARINGS and DISTANCE from ——?
	4356 What DISTANCE off is, or are ——?
	4361 Have you had an OBSERVATION?
	4362 We have had no OBSERVATION since ——
	4365 Have you a CHRONOMETER?

SENTENCES.

A BALL.

To be hoisted separately where best seen.

	4512	There is little difference in our RECKONING.
Correspondence.	4513	Is there any opportunity for sending LETTERS to —— ?
	4516	An opportunity occurs for sending LETTERS to ——
	4521	Have you any LETTERS for —— ?
	4523	I have LETTERS for ——
	4526	Can I take any LETTERS for you ?
	4531	Will you take up my LETTERS at —— ?
	4532	Can you tell me the ADDRESS of —— ?
	4536	Will you take a LETTER for —— ?
	4561	Can you get or PURCHASE for me —— ?
Passenger.	4562	I have a PASSENGER for ——
	4563	Can you take a PASSENGER to —— ?
	4612	SEND immediately for ——
	4613	The BOAT, or VESSEL, pointed out wishes to communicate with ——
Speaking	4615	I wish to SPEAK with you.*
	4621	I cannot SPEAK with you unless your business be urgent.*
	4623	I will pass within HAIL.*
Boarding	4625	HEAVE TO, and I will send a BOAT on board.
	4631	MAKE SAIL ahead, and drop a BOAT on board.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Boarding	4632	Come on board with your PAPERS.
	4635	Will you come ON BOARD?
	4651	I will come ON BOARD.
Convoy.	4652	Are there any vessels desiring CONVOY to ——
	4653	Vessels desiring CONVOY in the direction pointed out, must send on board for their instructions.
	5123	Shall we take you under our CONVOY?
	5124	Will you take us under your CONVOY?*
	5126	We cannot take you under our CONVOY.
	5132	We will give you PROTECTION.
	5134	Your distinguishing VANE will be ——
Evolutions.	5136	FOLLOW our motions.*
	5142	DISREGARD our motions.*
	5143	KEEP more AWAY.*
	5146	KEEP YOUR WIND.*
	5162	Come to the wind on the STARBOARD tack.
	5163	Come to the wind on the LARBOARD tack.
	5164	KEEP further ASTERN.
	5213	KEEP further OFF, or from ——
	5214	CLOSE nearer.*
	5216	Keep to WINDWARD.
	5231	Keep to LEEWARD.
	5234	Keep on this TACK.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Evolutions.	5236 Steer the COURSE indicated hereafter.
	5241 TACK.*
	5243 WEAR.
	5246 HEAVE to.*
	5261 BEAR up.
	5263 Make more SAIL.
	5264 Shorten SAIL.
	5312 Prepare to ANCHOR.
	5314 ANCHOR.*
	5316 MOOR.
	5321 UNMOOR.
	5324 Prepare to WEIGH.
	5326 WEIGH.*
	5341 We cannot proceed with the CONVOY.
	5342 We must part COMPANY; you may part company.
	5346 Farewell! I wish you a good VOYAGE.*

AUXILIARY WORDS.

A BALL.

To be hoisted separately where best seen.

5361 A, an.
5362 The.
5364 I, me, to me, my, mine.
5412 He, him, his, she, her, hers, to him, to her.
5413 We, to us, us, our, ours.
5416 You, to you, your, yours.
5421 They, them, to them, their, theirs, one, (impersonal.)
5423 It, its.
5426 Of it.
5431 To it, at it, in it.
5432 To be.
5436 Being.
5461 Been.
5462 Am, is, are.
5463 Was, were.
5612 Shall, will be.
5613 Should, would, could, might, may be.
5614 Be, let be, (imperative.)
5621 To be there.
5623 There being, being there.
5624 There is, there are, there has.
5631 There was, there were, there had, there has been.
5632 There shall, or will be.
5634 There should, would, could, might, or may be.

AUXILIARY WORDS.

A BALL.

To be hoisted separately where best seen.

5641 Let there be, (imperative.)
5642 Here is, this is, behold.
5643 To have.
6123 Having.
6124 Had.
6125 Have, has.
6132 Had.
6134 Shall, will have.
6135 Should, would, could, might, can, may have.
6142 Have thou, let have, (imperative.)
6143 To be necessary, or owing, being necessary, duty.
6145 Is necessary, ought, or should, owes.
6152 Would be necessary, should, ought.
6153 Would have been necessary, ought to have.
6154 To be able, power, being able.
6213 Am, is, are able, can, may.
6214 Was, were able, been able.
6215 Shall, will be able.
6231 Should, would, could, might, may be able, could, can, might.
6234 To make, to do, making, doing.
6235 Make, makes, do, does.
6241 Made, did, done, fact.
6243 Shall, will make, or do.
6245 Should, would make, or do.

AUXILIARY WORDS.

A BALL.

To be hoisted separately where best seen.

6251 Make, do, (imperative.)
6253 To be willing, to wish, being willing.
6254 Am, is, are willing, wishes, will, wish, willing, ly, wishing.
6312 Was, were willing, wished, been willing.
6314 Shall, will be willing, or wish.
6315 Should, would be willing, or wish, would.
6321 I am, or we are in want of, or must.
6324 He, she is, they are in want of, or must.
6325 You must.
6341 I was, we were in want of, or obliged to.
6342 He, she was, they were in want of, or obliged to.
6345 I shall, we shall be in want of, or obliged to.
6351 He, she, they will be in want of, or must.
6352 It is necessary.
6354 It was necessary.
6412 It will be necessary.
6413 It would, should be necessary.
6415 This, these.
6421 That, those, (pronoun "that ship.")
6423 Who, whom, whose.
6425 Which, what, of which.
6431 Other, another, otherwise.
6432 That, (adverb "that we are") than.

AUXILIARY WORDS.

A BALL.

To be hoisted separately where best seen.

6435 Where, whence, whither.
6451 When.
6452 How.
6453 Here, hence, hither.
6512 There, thence, thither.
6513 How many, how much.
6514 Too, too many, too much.
6521 Of, from.
6523 To, toward, s, at.
6524 By, through, though.
6531 In, inner, into, inward, s. within.
6532 Out, er, side, ward.
6534 Off, near, about, close, next.
6541 Distant, distance, far, beyond.
6542 With.
6543 Without.

COMPASS signals and BEARINGS.

A BALL.

To be hoisted separately where best seen.

245 NORTH	264 EAST	325 SOUTH	354 WEST
246 N. b. E.	265 E. b. S.	326 S. b. W.	356 W. b. N.
251 N. N. E.	312 E. S. E.	341 S. S. W.	361 W. N. W.
253 N. E. b. N.	314 S. E. b. E.	342 S. W. b. S.	362 N.W.b.W.
254 N. E.	315 S. E.	345 S. W.	364 N. W.
256 N. E. b. E.	316 S. E. b. S.	346 S.W.b.W.	365 N.W.b.N.
261 E. N. E.	321 S. S. E.	351 W. S. W.	412 N. N. W.
263 E. b. N.	324 S. b. E.	352 W. b. S.	413 N. b. W.

415 POINT, or points of the compass.
416 HALF point.
421 To STARBOARD, starboard, right hand.
423 To PORT, larboard, left hand.
425 WINDWARD, weather, ing, s, ed, ly, most.
426 LEEWARD, most, lee, lee way.
431 OFF SHORE, to sea, sea-ward, offing.
432 IN SHORE, inland.
435 STEADY, as you go.
436 AHEAD, head, most.
451 On the BOW, bow.
452 ABEAM, beam, on the beam, side, s.
453 On the QUARTER, quarter.
456 ASTERN, stern, most, stern way.
461 ABAFT, after, most, aft.
462 AFORE, fore, most, forward, s.

ALPHABET.

The numbers to be shown over

A WHEFT.

1 —— A.		24 —— N.	
2 —— B.		25 —— O.	
3 —— C.		26 —— P.	
4 —— D.		31 —— Q.	
5 —— E.		32 —— R.	
6 —— F.		34 —— S.	
12 —— G.		35 —— T.	
13 —— H.		36 —— V.	
14 —— I.		41 —— U.	
15 —— J.		42 —— W.	
16 —— K.		43 —— X.	
21 —— L.		45 —— Y.	
23 —— M.		46 —— Z.	

NOTE.—The numbers of the Alphabetical, and Numeral signals, are to be made over a Wheft, and will be best shown at the Gaff end.

When using the former for the purpose of spelling any words, or proper names, the Wheft should be hoisted singly at the end of each, as a stop, or finishing signal; and in like manner after each number when complete, if it be followed by another numeral.

Where an alphabetical or numeral signal, is followed as well as preceded by a sentence, it would not be necessary to haul down the distinguishing Ball.

If a number be required exceeding one hundred, it must be made by two distinct signals: the symbols being limited to six only, some such expedient was unavoidable.

Examples. 4.25.24 stop. 3.1.32.21.25.34. "Don Carlos."

4325. (sentences) 126 stop. 155.354 (compass signal) "Longitude 15° 27′, West."

2563. (vocabulary) 145 stop. 135.155 "March twenty-second, 1827."

NUMERAL SIGNALS.

The numbers to be shown over

A WHEFT.

No. of Signal.	Signification.	No. of Signal.	Signification.
51—	1. first, single, y.	155—	27.
52—	2. second, double, y.	156—	28.
53—	3. third.	162—	29.
54—	4. fourth.	163—	30.
55—	5.	164—	31.
56—	6.	165—	32.
61—	7.	213—	33.
62—	8.	214—	34.
63—	9.	215—	35.
64—	10.	216—	36.
65—	11.	231—	37.
123—	12.	234—	38.
124—	13.	235—	39.
125—	14.	236—	40.
126—	15.	241—	41.
132—	16.	243—	42.
134—	17.	245—	43.
135—	18.	246—	44.
136—	19.	251—	45.
142—	20.	253—	46.
143—	21.	254—	47.
145—	22.	255—	48.
146—	23.	256—	49.
152—	24.	261—	50.
153—	25.	263—	51.
154—	26.	264—	52.

NUMERAL SIGNALS.

The numbers to be shown over

A WHEFT.

No. of Signal. Signification.	No. of Signal. Signification.
265—53.	415—77.
312—54.	416—78.
314—55.	421—79.
315—56.	423—80.
316—57.	425—81.
321—58.	426—82.
324—59.	431—83.
325—60.	432—84.
326—61.	435—85.
341—62.	436—86.
342—63.	451—87.
345—64.	452—88.
346—65.	453—89.
351—66.	455—90.
352—67.	456—91.
354—68.	461—92.
355—69.	462—93.
356—70.	463—94.
361—71.	465—95.
362—72.	512—96.
364—73.	513—97.
365—74.	514—98.
412—75.	515—99.
413—76.	516—hundred, s, th.
521—thousand, s, th.	524—half, ½.
523—million, s.	525—quarter, s.

VOCABULARY.

NOTE.—There are many languages which differ so materially from each other in their idiom and construction, that it might not be expedient for foreigners to attempt any long communication, by means of the Vocabulary *alone;* unless when they may happen to be in some degree acquainted with the language of the persons addressed: it has been compiled principally for the purpose of filling up, by a word or two, such sentences as have been left incomplete in the former part, and in order that vessels from the same country may communicate more freely together. Whenever it may become necessary, however, to make use of this portion of the work, in addressing ships of a different nation, the following remarks should be attended to; remembering always that vessels *making* signals, should have recourse to the "Alphabetical Index;" while those *answering* them, will refer to the "Vocabulary," as numerically arranged.

In French, Spanish, Italian, and Portuguese, the negative, as well as the accusative pronoun, usually precede the verb, as 16.56.525. "I not can," for 16.525.56. "I can not," or "am not able," 23.21.1543.; "we him saw," for 23.1543.21. "we saw him," as it would be expressed in the English, German and Dutch languages.

With the exception of the auxiliaries, Be, Have, Be able, Ought, Must, &c. (for which see Sentences, page 18.) each verb throughout the whole of its conjugation, is to be expressed by a single signal; as 565. "to meet, meet, meeting, meets, met:" but if it should be wished to designate more particularly, the exact sense in which any word is intended to be used, the signal No. 461. "past tense," 462. "future," or 463. "conditional," may be prefixed; as 23.462.534. "we shall endeavour." It would be better always to employ the compound form, for the past tense, as 23.512.565. "we have met," instead of 23.565. "we met:" and here again it should be observed, there is a difference in the English and German idiom. Thus 23. 512.56.1543.21. "we have not seen her," as it would be said in the former, should be 23.512.21.56.1543. "we have her not seen," when spoken to a Dutch or Prussian vessel.

The verb Do, Does, Did, as an auxiliary, is peculiar to the English tongue, and should be avoided in any intercourse with foreigners; so that 16.536.56. 1632. "I do not think," should be rendered, 16.1632.56. "I think not," in German; 16.56.1632. "I not think," in French, Spanish, &c.

To several of the numbers signifying verbs, an adverb, adjective, substantive, or other words nearly synonymous, have been added; as 624. "to stop, detain, arrest, embargo:" but the exact sense intended to be conveyed, will be usually understood from the rest of the sentence; or if any ambiguity should appear, the message may be worded in some other manner.

Some words apparently dissimilar have been represented by a single signal, they are such, however, as in other languages may be expressed by the same term: as 561. "to arrive, to happen," in French, "arriver;" 65. "than, that," in French, "que," in Italian, "che." So likewise 556. "to come, have just," may in French be rendered by one verb, as 21.556.561. "il vient d'arriver," in English literally, "he comes to arrive," would mean, "he has just arrived," or, "there has just happened."

The nominative pronoun must be invariably given: in Spanish, Italian, and Portuguese, it is frequently omitted in conversation as well as writing; using for distinction the proper person of the verb alone: as "abbiamo," "hemos," for "we have."

The English term "must," can only be translated by "it is necessary," in French and Italian; they are both therefore expressed by one number 526; as are also "can, could, may, might," which must be given by the present, past, future, or conditional tenses, of the verb "to be able," 525.

In the same manner, for "ought" and "should" must be used the verb "to owe," 531. for "would" the conditional of "to wish" or "to will," 1635.

The comparative degree of adjectives should be marked by the word "more," 261. which when preceded by the definite article, 13. would also signify "most," or the superlative: as 261.2315. "more far," for "farther;" 13.261.2315. "the most far," for "farthest;" such being the only mode of comparison which the French tongue admits of.

Some words of frequent recurrence in other languages, would be unintelligible if addressed from this vocabulary to those unacquainted with them: such are 15. "y," 14. "en," in the French; 15. "vi, ci," 14. "ne," in the Italian; signifying "in it, or to it, to them, or there," "of it." A more primitive mode of expression must be adopted in communicating with strangers; thus 15.14.521.53, (numeral) "ven erano tre," "there were three of them," if made from the following signals by a Genoese, to an English vessel, would be better understood by substituting 15.521.53. (num.) 31.25. Although this would be at variance with all the rules of Italian composition.

Words with the prefix "un-" signifying contrariety, have been generally omitted; they could only be translated into languages derived from the Latin by means of a negative: 56.1523. "not like," for example, for "unlike;" 56.525. "not able," for "unable."

Other similar observations might be added, but enough may have been said, perhaps, to point out the manner in which the following part should be used by those who are ignorant of any speech but their own, and to guard against the confusion that would otherwise arise where a dictionary alone is employed in conversing with foreigners. Cases will often occur at sea, or on a distant shore, in which the application of signal flags to a vocabulary, capable of being understood by foreigners, would be of material importance to seamen; whose wants, though urgent, may generally be made known in a very few words. The sentences alone, although they might suffice for most occasions, could never have been extended so as to embrace every possible variety of circumstance, in times of distress or danger.

Some difficulty has been found in selecting terms adapted to translation, and it may here be observed, that the experiment has already been made of turning the greater part of this work into the principal European languages.

VOCABULARY.

No separate distinguishing signal.

12 A, an.
13 The, it.
14 Of it, of them, of which.
15 To it, at it, in it, to them.
16 I, me, my, mine.
21 He, him, his, she, her, hers, it, its.
23 We, us, our, ours.
24 You, your, yours.
25 They, them, their, theirs.
26 Self, selves, same.
31 Of, from.
32 To, towards, at.
34 In, into, inner, inward, s, within, inside.
35 By, through.
36 With, along, together.
41 Without.
42 As, so, thus, therefore.
43 For, because.
45 If, whether.
46 Against, contrary.
51 Across, athwart.
52 But, except, unless.
53 Only, alone.
54 Even, although, though.
55 Or, else, either.
56 No, not, neither, nor.
61 None, nobody.

VOCABULARY.

No separate distinguishing signal.

62 Nothing.
63 And, also.
64 Yes.
65 Than, that, (adverb, ex. "that we are able.")
123 This, these, those, that, (pronoun, ex. "that ship.")
124 Who, whom, whose, which, what.
125 Where, whence, whither.
126 Here, hence, hither.
132 There, thence, thither.
134 Here is, this is.
135 Other, another.
136 When.
142 How.
143 Then.
145 Now, present, ly.
146 Already.
152 Soon, early.
153 Quick, immediate, ly, fast.
154 Again, still, yet.
155 However, meantime.
156 Untill, till.
162 In future, future, henceforth.
163 Since, ago.
164 Always.
165 Sometimes.
213 Never, ever.

VOCABULARY.

No separate distinguishing signal.

214 Often, frequent, ly.
215 Almost, about, near, ly, off, neighbourhood, next.
216 Perhaps.
231 Scarcely, hardly.
234 Seldom, rarely.
235 Instead.
236 Why, wherefore.
241 How many, how much.
243 So many, so much, as many, as much.
245 Equal, ly.
246 Too, too many, too much.
251 Very, (superlative) much.
253 Some, any.
254 Such.
255 Both, each.
256 Many, much, several.
261 More, most, (superlative) increase, ed, add, addition.
263 Few, little, small.
264 Less, least, lessen, ing, s, ed.
265 Before, former, ly, forward.
312 Behind, after, wards, aft, abaft.
314 On, over, above, up, upper, upward, s, upon, superior.
315 Under, below, beneath, down, ward, s.
316 Beyond, besides.

VOCABULARY.

No separate distinguishing signal.

321 Out, outer, outward, s, outside.
324 Between, among, st, amid, st, middle.
325 Thing, s, event.
326 Way, s, mode, manner, means, by means.
341 All, whole, ly, quite, every, universal.
342 Good, ness, fine, benefit, fair.
345 Well.
346 Better, best, amend, ment, reform, ation, er.
351 Bad, ness, foul.
352 Ill, sick, ness, evil, disease.
354 Worse, worst.
355 Difficult, ty, inconvenient, ly.
356 Ease, y, ly, ness, convenient, accommodate, accommodation.
361 Great, ly, large, important, ance.
362 Broad, wide, ly, breadth.
364 Narrow, ly, ness.
365 Deep, ly, depth, deepen, ing, s, ed.
412 Low, ness, lower, ing, ed, shallow.
413 Long, length, en, ing, s, ed.
415 Short, en, ing, s, ed, shortness.
416 Light, slight, ly, ness, lighten.
421 Hard, ness.
423 Right, s, ly, exact, ly, accurate, acy, just, ly.
425 False, ly, hood, fault, default.
426 Real, y, true, truth, indeed.
431 Possible, ly, ity.

VOCABULARY.

No separate distinguishing signal.

432 Strong, ly, strength, en, ing, s, ed.
435 Weak, ly, ness.
436 Cheap, ly, ness.
451 Dear, ly, ness.
452 Old, age.
453 New, young, news.
455 Common, ly, commons.
456 Thick, ly, fog, s, y.
461 Past tense, (of the following verb.)
462 Future tense, ——— shall, will.
463 Conditional, ——— should, would.
465 To have, having, have.
512 Have, has.
513 Had.
514 Shall, will have.
515 To be, being, be, become.
516 Am, is, are, becomes.
521 Was, were, been, became.
523 Shall, will be, will become.
524 To belong, ing, s, ed.
525 To be able, am, are, is, was, were, been able, power, can, could, might, may.
526 To be necessary, am, are, is, was, were, been, must.
531 To owe, ing, s, ed, ought, debt, due.
532 To prepare, ing, s, ed, ation, ative, ready, ly, readiness.

VOCABULARY.

No separate distinguishing signal.

534 To attempt, ing, s, ed, try, trial.
535 To begin, ing, s, gan.
536 To do, ing, does, done, did, make, ing, s, made, affair, act.
541 To go, ing, goes, went, gone, bound, am, is, are about to, run, ing, ran, courier.
542 To go away, going, goes, gone away, departure, quit.
543 To leave, ing, s, left, let, loose, let go.
545 To go out, going, goes, gone, went out, sally.
546 To go in, going, goes, went, gone in, enter, entrance.
551 To pass, ing, es, ed, past, passage.
552 To conduct, ing, ed, or, guide, s, lead, er.
553 To dispatch, ing, es, ed, hasten, ed, haste.
554 To send, ing, s, sent, messenger, message.
556 To come, ing, s, came; am, is, are, have, has just.
561 To arrive, ing, s, ed, al, happen, ed.
562 To return, ing, s, ed.
563 To join, ing, s, ed, unite, ed, union.
564 To accompany, ing, ies, ied, company, ion, society, consort.
565 To meet, ing, s, met, rendezvous, assembly.
612 To follow, ing, s, ed, er, according to, chace, consequence.
613 To approach, ing, es, ed, close nearer

VOCABULARY.

No separate distinguishing signal.

614 To catch, ing, es, caught, attain, reach.
615 To continue, ing, es, ed, ation, during, while, whilst.
621 To remain, ing, s, ed, stay, wait, rest, expect.
623 To delay, ing, s, ed, slow, ly, late.
624 To stop, ing, s, ed, detain, tention, embargo, arrest.
625 To blockade, ing, s, ed, siege, besiege.
631 To keep, ing, s, kept, hold, held, contain, contents.
632 To bring, ing, s, brought, carry, bear.
634 To put, ing, s, put, place, stow, age, set.
635 To prevent, ing, s, ed.
641 To oppose, ing, s, ed, ition, resist, ance.
642 To prohibit, ing, s, ed, ion, forbid, en.
643 To refuse, ing, s, ed, al, deny, ial.
645 To permit, ing, s, ed, ission, licence.
651 To dismiss, ing, s, ed, al, discharge, dissolution.
652 To cancel, ing, s, ed, repeal, nullify, abolition.
653 To change, ing, s, ed, able, alter, ation, shift, exchange.
654 To differ, ing, s, ed, ent, ence.
655 To divide, ing, s, ed, end, ision, separate, ion.
1234 To part, ing, s, ed, ty, ial, ly, part, piece.
1235 To lose, ing, s, lost, loss, es.
1236 To want, ing, s, ed, miss, fail, ure.

No separate distinguishing signal.

1243 To ask, ing, s, ed, question, demand, claim, s.
1245 To pray, ing, ers, beg, s, ed, petition, s.
1246 To establish, ing, es, ed, ment, station.
1253 To hope, ing, s, ed.
1254 To promise, ing, s, ed, issory.
1255 To offer, ing, s, ed.
1256 To answer, ing, s, ed, reply, acknowledge, acknowledgment.
1263 To lend, ing, s, lent, loan, spare.
1264 To borrow, ing, s, ed.
1265 To supply, ing, ies, ied.
1324 To assist, ing, s, ed, ance, ant, s, help.
1325 To serve, ing, ed, ice, ant, s.
1326 To succeed, ing, s, ed, cess, full, ly.
1342 To give, ing, s, gave, gift.
1345 To get, ing, s, got, obtain, possession.
1346 To gain, ing, s, ed, advantage, profit.
1352 To buy, ing, s, bought, purchase.
1354 To sell, ing, s, sold, sale, s, auction.
1355 To cost, ing, s, value, able, worth, price.
1356 To pay, ing, s, paid, payment, s, able.
1362 To give back, give, ing, s, gave back, restore.
1364 To receive, ing, s, ed, ception, receipt, accept, ance.
1365 To take, ing, s, took, seize, ure, prize.
1423 To take away, take, s, ing, took away, deprive, private.

VOCABULARY.

No separate distinguishing signal.

1425 To use, ing, s, ed, ual, ly, ful, ly, employ, ment.
1426 To thank, ing, s, ed, ful, ly.
1432 To agree, ing, s, ed, ment, consent, treaty, armistice.
1435 To satisfy, ing, ies, ied, faction, factory, suffice, icient, enough.
1436 To add, ing, s, ed, ition, al, increase.
1452 To fill, ing, s, ed, full, ly, plenty.
1453 To weigh, ing, s, ed, weight, heavy, ness, ly.
1455 To measure, ing, s, ed, quantity.
1456 To count, ing, s, ed, number, numeral, list.
1462 To form, ing, s, ed, ation, shape, figure, build.
1463 To describe, ing, s, ed, scription, sort, kind.
1465 To appear, ing, s, ed, arent, ly, seem.
1523 To resemble, ing, s, ed, like, ly, probable, probably, probability.
1524 To explain, ing, s, ed, ation.
1525 To repeat, ing, s, ed, repetition.
1526 To indicate, ing, s, ed, ation, point out, index.
1532 To direct, ing, s, ed, tion, or, s.
1534 To cause, ing, s, ed, reason.
1535 To occasion, ing, ed, opportunity.
1536 To inform, ing, s, ed, ation, acquaint, intelligence.
1542 To discover, ing, s, ed, ry, uncover.

VOCABULARY.

No separate distinguishing signal.

1543 To see, ing, s, saw, look, reconnoitre, sight.
1545 To search, ing, es, ed.
1546 To find, ing, s, found.
1552 To show, ing, s, ed, shown.
1553 To conceal, ing, s, ed, ment, hide, secret, secrecy.
1554 To close, ing, s, ed, ure, shut.
1556 To open, ing, s, ed.
1562 To publish, ing, es, ed, ic, ation, advertise, ment, proclaim, ation, announce, ment.
1563 To print, ing, s, ed, er, book, s, volume, s.
1564 To read, ing, s, read, er.
1565 To write, ing, s, wrote, written.
1623 To correspond, ing, s, ed, ence, ent, s, letters.
1624 To communicate, ing, s, ed, ation.
1625 To observe, ing, s, ed, er, ation, remark, s, remarkable.
1632 To think, ing, s, thought, s, opinion, believe.
1634 To expose, d, subject, s, ed, liable.
1635 To wish, ing, es, ed, will, ing, would.
1642 To know, ing, s, knew, knowledge, acquaintance.
1643 To assure, ing, s, ed, ance, sure, ly, certain, ly, ty, safe, ly, ty.
1645 To advise, ing, s, ed, er, able, advice.
1652 To tell, ing, s, told, say, said, speak, ing, speech, spoke, n, report, s, ed, language.

VOCABULARY.

No separate distinguishing signal.

1653 To choose, ing, s, chose, n, choice, elect, election, or, s.
1654 To call, ing, s, ed, name, s, vocabulary, word, s.
1655 To order, ing, s, ed, command, ing, s, ed, ant, er.
2134 To authorise, ing, s, ed, ity, ies.
2135 To understand, ing, s, stood.
2136 To remember, ing, s, ed, brance, recal.
2143 To forget, ing, s, got, getful.
2145 To hear, ing, s, heard, learn.
2146 To mean, ing, s, meant, intend, ention, s.
2153 To mistake, ing, s, took, taken, error, oneous.
2154 To neglect, ing, s, ed, ful, igent.
2155 To doubt, ing, s, ed, ful, ly.
2156 To suspect, ing, s, ed, picious, suspicion.
2163 To caution, ing, s, ed, ious, ly, warn, ing, s.
2164 To guard against, guard, ing, s, ed, against, watch.
2165 To take care of, taking, takes, took care of.
2314 To avoid, ing, s, ed.
2315 To keep at a distance, keep, ing, s, kept at a distance, far, distant.
2316 To threaten, ing, s, ed, threat, s.
2341 To risk, ing, s, risk, hazard, ous, accident, al, chance.
2345 To injure, ing, s, ed, y, harm, damage.

VOCABULARY.

No separate distinguishing signal.

2346 To break, ing, s, broke, breach, split, spring.
2351 To spoil, ing, s, spoilt, ruin.
2354 To be sorry, am, is, are sorry, misfortune, unfortunate.
2355 To be glad, am, is, are glad, happy, ness, fortunate.
2356 To fear, ing, s, ed, ful, afraid.
2361 To dare, ing, s, ed, courage, bold, brave.
2364 To quarrel, ing, s, ed, war, hostile, ities.
2365 To fight, ing, s, fought, battle, action.
2413 To attack, ing, s, ed, assault.
2415 To conquer, ing, s, ed, or, victory, ious.
2416 To defeat, ing, s, ed, beat.
2431 To force, ing, s, ed, able, ably.
2435 To retreat, ing, ed, flight.
2436 To strike, ing, s, struck, surrender.
2451 To plunder, ing, s, ed, er, s, rob, ber, s.
2453 To imprison, ing, ed, prison, s, er, s.
2455 To wound, ing, s, ed, hurt.
2456 To fall, ing, s, en, fell.
2461 To kill, ing, ed, murder, er.
2463 To infect, ing, s, ed, ion, ious, contagion, ious.
2465 To die, dying, dies, dead, death, mortal, ity.
2513 To save, ing, s, ed, escape, cure, ed.
2514 To release, ing, ed, free, dom, liberty.
2515 To protect, ing, s, ed, ion, convoy.

VOCABULARY.

No separate distinguishing signal.

2516 To raise, ing, s, ed, rise, n, high, height, altitude, hoist.
2531 To pacify, ing, ed, peace, pacific.
2534 To live, ing, s, ed, alive, life.
2535 To pardon, ing, s, ed, amnesty.
2536 To end, ing, s, ed, finish, final, ly, last, at last, limit, latest.
2541 Time, s, temporary, weather.
2543 Year, s, ly, annual, ly.
2545 Spring.
2546 Summer.
2551 Autumn, fall.
2553 Winter.
2554 Month, s, ly.
2556 January.
2561 February.
2563 March.
2564 April.
2565 May.
2613 June.
2614 July.
2615 August.
2631 September.
2634 October.
2635 November.
2641 December.
2643 Week, s, ly.

VOCABULARY.

No separate distinguishing signal.

2645 Sunday.
2651 Monday.
2653 Tuesday.
2654 Wednesday.
2655 Thursday.
3124 Friday.
3125 Saturday.
3126 Day, s, to-day, date, s.
3142 Night, s, to-night.
3145 Yesterday.
3146 To-morrow.
3152 Morning, A. M.
3154 Evening, P. M.
3155 Hour, s, o'clock.
3156 Minute, s.
3162 Degree, s.
3164 League, s.
3165 Mile, s.
3214 Fathom, s.
3215 Foot, feet.
3216 Inch, es.
3241 Ton, s, age.
3245 Pound, s, (weight.)
3246 Cask, s, barrel, s.
3251 Case, s, chest, s, bale.
3254 Sack, s, bag, s.
3255 Money, pecuniary.

VOCABULARY.

No separate distinguishing signal.

3256 Gold, en.
3261 Silver.
3264 Pound, s, (sterling.)
3265 Crown, s, dollar, s.
3412 Florin, s.
3415 Shilling, s.
3416 Real, s.
3421 Franc, s.
3425 Penny, ies, pence.
3426 Sol, sous.
3451 Cent, s, ime, s.
3452 Per cent, age.
3455 Nation, s, al, country, ies.
3456 Constitution, al, ly.
3461 State, s, estate, s, condition, empire, kingdom, &c.
3462 Province, cial, county, department.
3465 Colony, ial, settle, ed, er, s, ment, s.
3512 People, popular, populous.
3514 Man, men, husband.
3515 Woman, women, wife.
3516 Child, ren.
3521 Govern, ing, s, ed, ment, s, or.
3524 Sovereign, (emperor, king, &c.) imperial, royal, &c.
3525 President, ency, chief, tain, prince, principal.

VOCABULARY.

No separate distinguishing signal.

3526 Parliament, ary, Congress, Diet, States-general, &c.
3541 Law, s, legal, act, decree, edict, ordinance.
3542 Minister, ry, terial.
3545 Secretary, ies, clerk.
3546 Ambassador, embassy.
3551 Consul, ar.
3552 Navy, al, nautical.
3554 Admiralty, minister of marine.
3556 Fleet, s, squadron, s.
3561 Man, men of war.
3562 Ship, s, of the line.
3564 Frigate, s.
3565 Corvette, s, sloop of war.
3612 Ship, s, ing, vessel, s.
3614 Brig, s, antine.
3615 Schooner, s.
3621 Ketch, galliot, bombard.
3624 Cutter, s, sloop, s.
3625 Lugger, s.
3641 Yacht, s.
3642 Packet, s, mail.
3645 Transport, s.
3651 Collier, s.
3652 Coaster, s, coasted, ing.
3654 Smuggle, ing, s, ed, er, s.
3655 Steam vessel, s.

VOCABULARY.

No separate distinguishing signal.

4123 Privateer, s, ing.
4125 Pirate, s, ical.
4126 Fire ship, s.
4132 Stranger, s, foreign, er, s.
4135 Friend, s, ly, ship, ally, ies, iance.
4136 Enemy, ies.
4152 Ensign, s, colours.
4153 Flag, s.
4155 Jack, (national.)
4156 Pendant, s.
4162 Guidon, s.
4163 Cornette, s.
4165 Vane, s.
4213 Ball, s.
4215 Wheft, s.
4216 Signal, s, ize, ing, ed, sign.
4231 Telegraph, ing.
4235 Hull, s.
4236 Keel.
4251 Bottom, s, ground.
4253 Side, s.
4255 Deck, s, ed, er, s.
4256 Cabin, s.
4261 Rudder, s, helm.
4263 Hold, s.
4265 Capstan, windlass.
4312 Pump, s, ing, ed.

VOCABULARY.

No separate distinguishing signal.

4315 Engine, s, eer, s.
4316 Boiler, s.
4321 Paddle, s.
4325 Rig, ing, ed.
4326 Mast, s.
4351 Yard, s.
4352 Bowsprit.
4355 Fore.
4356 Main.
4361 Mizen.
4362 Fore mast.
4365 Main mast.
4512 Mizen mast.
4513 Lower, (mast, &c.)
4515 Sail, s.
4516 Top, s.
4521 Spar, s.
4523 Raft, s.
4525 Boat. s.
4526 Launch, long boat.
4531 Oar, s, row, ing, ed.
4532 Anchor, s.
4535 Grapnel, s.
4536 Cable, s.
4551 Chain, s.
4552 Hawser, s.
4553 Rope, s, cordage.

VOCABULARY.

No separate distinguishing signal.

4556 Compass, es.
4561 Store, s.
4562 Canvass.
4563 Bunting.
4565 Tallow.
4612 Tar.
4613 Pitch.
4615 Hide, s, leather, n.
4621 Nail, s, ed.
4633 Paint, ing, s, ed, er.
4625 Colour.
4631 Black, ing, dark, ness.
4632 White.
4635 Blue.
4651 Red.
4652 Yellow.
4653 Green.
4655 Metal, lic.
5123 Iron.
5124 Copper, ed.
5125 Brass, zen.
5126 Tin.
5132 Lead, en.
5134 Fire, ing, fuel.
5135 Wood, (fire wood.)
5136 Coal.
5142 Charcoal.

VOCABULARY.

No separate distinguishing signal.

5143 Light, ing, s, ed.
5145 Candle, s.
5146 Oil, y.
5152 Lanthorn, (ship's) light house.
5153 Provision, s, victual, ing, ed.
5154 Bread, biscuit.
5156 Flour, meal.
5162 Beef, bullocks.
5163 Pork, pig, s.
5164 Wine.
5165 Spirits, (rum, &c.)
5213 Vinegar.
5214 Vegetables.
5215 Fruit.
5216 Potatoes.
5231 Poultry.
5234 Fish, ing, ed, erman, ermen.
5235 Water, ing, s, ed.
5236 Medicine, ical, drugs, druggist.
5241 Calomel.
5243 Opium.
5245 Peruvian bark.
5246 Soap.
5251 Arm, ing, s, ed, ament, s.
5253 Gun, s, cannon, ade, artillery.
5255 Mortar, s.
5256 Musquet, ry.

VOCABULARY.

No separate distinguishing signal.

5261 Sword, s.
5263 Pistol, s.
5264 Ammunition.
5265 Powder, gunpowder.
5312 Shot, s, ed, bullet, ball.
5314 Commerce, cial, trade, ing.
5315 Bank, s, ing, er, s.
5316 Merchant, s, mercantile.
5321 Own, ing, s, ed, er.
5324 Agent, s, ency, broker, s, age.
5325 Bankrupt, cy.
5326 Lloyd's.
5341 Underwriter, s.
5342 Import, ing, s, ed, er, ation.
5345 Export, ing, s, ed, er, ation.
5346 Ensure, ing, s, ed, ance.
5351 Salvage.
5352 Register, ing, s, ed, ry.
5354 Load, ing, s, ed, laden.
5356 Cargo, es, lading.
5361 Timber.
5362 Mahogany.
5364 Lumber, deals.
5365 Cotton.
5412 Barilla.
5413 Potash.
5415 Sulphur, brimstone.

VOCABULARY.

No separate distinguishing signal.

5416 Dye, (woods, &c.) logwood.
5421 Indigo.
5423 Cochineal.
5425 Corn, grain, seed.
5426 Rice.
5431 Cocoa.
5432 Coffee.
5435 Tea, s.
5436 Spice, s.
5451 Sugar.
5452 Molasses.
5453 Salt, s, saline.
5456 Tobacco, oes.
5461 Wool, len, s.
5462 Silk, en.
5463 Hemp, en.
5465 Flax, en.
5512 Manufacture, s, ory, ories.
5513 Ballast, in ballast, empty, void.
5514 Freight, ing, s, ed, age.
5516 Tariff.
5521 Duty, ies, tax, es.
5523 Custom, s, house.
5524 Officer, cial, ly.
5526 Admiral, s.
5531 Captain, s.
5532 Master, s.

VOCABULARY.

No separate distinguishing signal.

5534 Lieutenant, s, acy.
5536 Mate, second officer.
5541 Pilot, s, ing, ed, age, guide.
5542 Surgeon, s, ery.
5543 Carpenter, s.
5546 Seaman, seamen, sailor, s.
5561 Crew, s.
5562 Military, soldier, s, y.
5563 Army, ies.
5564 Regiment, s, al.
5612 Infantry.
5613 Cavalry.
5614 General, s, ly.
5615 Passenger, s.
5621 Passage, voyage, s, travel, ing, ed, er.
5623 To unmoor, ing, ed.
5624 To weigh anchor, weighing, s, ed anchor.
5625 To sail, ing, ed.
5631 To make sail, making, made sail.
5632 To shorten sail, shortening, s, ed sail.
5634 To steer, ing, s, ed, age, stand, stood.
5635 To heave to, heaving, hove to.
5641 To cruize, ing, ed, er.
5642 To tack, ing, s, ed, turn, ing; s, ed, beat up.
5643 To wear, ing, s, wore, veer, ing, ed.
5645 To bear up, bearing, bears, bore up.
5651 To anchor, anchoring, s, ed, age.

VOCABULARY.

No separate distinguishing signal.

5652 To moor, mooring, s, ed.
5653 To drift, ed, ing, drive, ing drove, adrift, drag.
5654 To slip, slipping, s, ed.
6123 To cut, cutting, s, cut.
6124 In danger, danger, ous, ly, endanger.
6125 In distress, distress, ed, ing.
6132 To leak, leaking, leaks, ed, age.
6134 To ground, grounding, s, ed, aground, ashore, on shore.
6135 To float, floating, floats, ed, afloat, swim, ing, swam.
6142 To bilge, bilging, bilges, bilged.
6143 To wreck, ed, er, shipwreck.
6145 To sink, sinking, sinks, sank, sunken, founder, drown, ed.
6152 To abandon, ing, s, ed, ment, desert, ion, er.
6153 To capsize, ing, ed, overturn, ed.
6154 To dismast, ing, ed, disable, ed.
6155 To burn, ing, s, ed, burnt, take, took fire, set on fire.
6213 To repair, ing, s, ed, refit, ing, ed, renew, al, fit.
6214 To hail, ing, s, ed, pass within hail.
6215 To board, ing, s, ed, aboard, on board.
6231 To tow, ing, s, ed, age, take in tow.
6234 To conduct, lead, ing, s, in or ahead.

VOCABULARY.

No separate distinguishing signal.

6235 Geography, ical.
6241 Sand, sand bank, shoal.
6243 Bar, s.
6245 Rock, s, y, reef, s, breakers.
6251 Coast, shore, land.
6253 Beach.
6254 Island, s, insular.
6255 Cape, s, point.
6312 Port, s, harbour, s.
6314 Bay, gulf.
6315 Channel, canal, strait, s.
6321 River, s.
6324 Current, s, stream.
6325 Tide, s, tideway.
6341 Flow, ing, s, ed, flood.
6342 Ebb, ing, s, ed.
6345 High water.
6351 Low water.
6352 Spring tide, s.
6354 Neap tide, s.
6355 City, ies, town, s.
6412 Dock, ing, s, ed, yard, arsenal.
6413 Wharf, s, age, jetty, quay, pier.
6415 Quarantine, quarantine ground, lazzaretto.
6421 Pratique, pratique office.
6423 Church, es, chapel, lain, divine service.
6425 Battery, ies, fort, ress.

VOCABULARY.

No separate distinguishing signal.

6431 Magazine, s, store, shop, s.
6432 Post office, post, mail, s.
6435 House, s, home.
6451 Buoy, s.
6452 Beacon, s, land-mark, s.
6453 To sound, ing, s, ed.
6455 To draw, ing, s, drew, draught, (of water.)
6512 To navigate, ing, s, ation.
6513 Reckoning, account.
6514 Course.
6515 Distance.
6521 Bear, ing, s, bore.
6523 Latitude.
6524 Longitude.
6525 Lunar, s, moon.
6531 Sun, solar.
6532 Chronometer, time-piece.
6534 Quadrant.
6535 Compass, es.
6541 Chart, s, map, s, plan.
6542 Paper, s, ship's papers.
6543 Newspaper, s, journal, s.
6545 Wind, s, y, breeze, s.
6551 Blow, ing, s, blew, gale.
6552 Sea, surf, surge, wave.
6553 To clear up, clearing, clears, ed up, clear, ly.
6554 Calm, s, to becalm, ed.

ALPHABETICAL INDEX

TO

VOCABULARY.

No separate distinguishing signal.

A	12
Abandon, ing, s, ed, ment	6152
Abaft	312
Able, to be, am, are, is, was, were, been able	525
Abolish, ing, ed, ition	652
About	215
Above	314
Accept, ance	1364
Accident, al, ly .. .	2341
Accommodate, ation . ..	356
Accompany, ing, ies, ied	564
According to	612
Account, s	6513
Accurate, acy	423
Acknowledge, ed, ment	1256
Acquaintance	1642
Across	51
Act, (law)	3541
Act, (deed)	536
Add, ed, ition	1436
Administration, *use* "ministry" ..	3542
Admiral	5526
Admiralty	3554
Adrift	5653

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Advantage	1346
Advertise, ment, s	1562
Advise, ing, s, ed, ice, isable, iser ..	1645
Affair	536
Afloat	6135
Aft, after, ward, s	312
Afraid	2356
Again	154
Against	46
Age	452
Agent, s, ency	5324
Ago	163
Agree, ing, s, ed, ment, agreeable ..	1432
Aground	6134
Alive	2534
All	341
Allow, *use* "permit"	645
Ally, ies, iance	4135
Almost	215
Alone	53
Along	36
Already	146
Also	63
Alter, ation	653
Although	54
Altitude	2516
Always	164

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

A. M.	3152
Am	516
Ambassador	3546
Amend, ment, s	346
Amid, st	324
Ammunition	5264
Amnesty	2535
Among, st	324
Amount, *use* "number"	1456
An	12
Anchor, s	4532
Anchor, ing, ed, age	5651
And	63
Announce, ment	1562
Annual, ly	2543
Annul, *use* "cancel"	652
Another, s	135
Answer, ing, s, ed	1256
Any	253
Appear, ing, s, ed, ance, arent	1465
April	2564
Approach, ing, es, ed	613
Are	516
Arm, ing, s, ed, ament, s	5251
Army, ies	5563
Armistice	1432
Arrest	624

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Arrive, ing, s, ed, al, s	561
Arsenal	6412
Artillery	5253
As	42
As many, as much	243
Assault	2413
Ashore	6134
Ask, ing, s, ed	1243
Assembly	565
Assist, ing, s, ed, ance, ant, s ..	1324
Assure, ing, s, ed, ance, s	1643
At	32
At it	15
At last	2536
Athwart	51
Attack, ing, s, ed	2413
Attain	614
Attempt, ing, s, ed	534
Auction	1345
August	2615
Authorise, ing, s, ed, ity, ties ..	2134
Autumn	2551
Avoid, ing, s, ed	2314
Bad, ness	351
Bag, s	3254
Bale, s	3251

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Ball, s, (signal)	4213
Ball, s, (shot)	5312
Ballast, in ballast	5513
Bank, ing, s, er, s	5315
Bankrupt, s, cy	5325
Bar	6243
Bark, (Peruvian)	5245
Barilla	5412
Barrel, s	3246
Battery, ies	6425
Battle	2365
Bay	6314
Be	515
Be glad, am, is, are, was, were glad	2355
Beach	6253
Beacon, s	6452
Bear, ing, bore, (carry)	632
Bear, ing, s, bore, (by compass)	6521
Bear, ing, bore up	5645
Beat, ing, s	2416
Beat up, beating up	5645
Becalm, ed	6554
Because	43
Became	521
Become	515
Becomes	516
Beef	5162

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Been	521
Before	265
Begin, ing, s, gan, gun	535
Behind	312
Being	515
Believe, ing, s, ed, lief	1632
Belong, ing, s, ed	524
Below	315
Beneath	315
Benefit	342
Besides	316
Besiege	625
Best	346
Better	346
Between	324
Beyond	316
Bilge, d	6142
Biscuit	5154
Black, ing	4631
Blockade, ing, s, ed	625
Blow, ing, s, blew, blown	6551
Blue	4635
Board, ing, s, ed	6215
Boat, s	4525
Boiler, s	4316
Bold, ly, ness	2361
Book, s	1563

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Borrow, ing, s, ed	..	..	1264
Both	..	..	255
Bottom, s	..	..	4251
Bound	..	..	541
Bowsprit	..	..	4352
Brass, zen	..	..	5125
Brave	..	.	2361
Bread	..	..	5154
Breadth	..	..	362
Break, ing, s, broke, n	..	..	2346
Breakers	..	..	6245
Breeze	..	..	6545
Brig, antine	..	..	3614
Brimstone	..	..	5415
Bring, ing, s, brought	..	.	632
Broad	..	..	362
Broker, s, age	..	..	5324
Build, ing, built	..	..	1462
Bullet, s	..	..	5312
Bullock, s	..	..	5162
Bunting	..	..	4563
Buoy, s	..	..	6451
Burn, ing, burnt	..	..	6155
But	..	..	52
Buy, ing, s, bought	..	..	1352
By	..	..	35
By means	..	..	326

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Cabin	.. .. ..	4256
Cable	.. .. ..	4536
Calculate, ing, ed, *use* "count"	..	1456
Calculation, *use* "reckoning"	..	6513
Call, ing, s, ed	.. ..	1654
Calm, s	.. .. ..	6554
Calomel	.. .. ..	5241
Can	.. .. ..	525
Canal, s	.. .. ..	6315
Cancel, ing, s, ed	.. ..	652
Candle, s	.. .. ..	5145
Canvass	.. .. ..	4562
Cape, s	.. .. ..	6255
Capstan	.. .. ..	4265
Capsize, ed	.. .. ..	6153
Captain, s	.. .. ..	5531
Capture, ed, *use* "take"	.. ..	1365
Cargo, es	.. .. ..	5356
Care, ing, s, ed for	.. ..	2165
Carpenter, s	.. .. ..	5543
Carry, ing, ies, ied	.. ..	632
Case, s, (box)	.. ..	3251
Cask, s	.. .. ..	3246
Catalogue, *use* "list"	.. ..	1456
Catch, ing, es, caught	.. ..	614
Catch fire	.. .. ..	6155
Cause, ing, s, ed	.. ..	1534

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Contagion, ious	2463
Contain, contents	631
Continue, ing, s, ed, al, ly ..	615
Contrary	46
Convenient, ly, ence	356
Convey, ed, *use* "carry"	632
Convoy, ing, s, ed, convoy ..	2515
Copper, s, ed	5124
Cordage	4553
Corn	5425
Cornette, s	4163
Correct, *use* "accurate"	423
Correspond, ing, s, ed, ence, ent ..	1623
Corvette, s	3565
Cost, ing, s	1355
Cotton	5365
Could	525
Count, ing, s, ed	1456
Country, ies	3455
County, ies	3462
Courage, eous	2361
Courier	541
Course	6514
Cover, ed, *use* "hide"	1553
Crew, s	5561
Crown piece	3265
Cruize, ing, er	5641

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Coffee	5432
Collier, s	3651
Colony, ies, ial, ist, s	3465
Colour, s	4625
Colours, (ensign)	4152
Come, ing, s, came	556
Command, ing, s, ed, er, ant, s ..	1655
Commence, *use* "begin"	535
Commerce, cial	5314
Common, s, ly	455
Communicate, ing, s, ed, ation ..	1624
Company, ion, ies	564
Compass	6535
Complete, ly, *use* "fill"	1452
Comply, ied, *use* "consent" ..	1432
Conceal, ing, s, ed, ment	1553
Condition	3461
Conditional tense	463
Conduct, ing, ed	552
Congress	3526
Conquer, ing, s, ed, or, est ..	2415
Consequence, s	612
Consent, ing, s, ed	1432
Consort	564
Constantly, *use* "always"	164
Constitution, al, ly	3456
Consul, ar	3551

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Contagion, ious	2463
Contain, contents	631
Continue, ing, s, ed, al, ly ..	615
Contrary	46
Convenient, ly, ence	356
Convey, ed, *use* "carry"	632
Convoy, ing, s, ed, convoy ..	2515
Copper, s, ed	5124
Cordage	4553
Corn	5425
Cornette, s	4163
Correct, *use* "accurate"	423
Correspond, ing, s, ed, ence, ent ..	1623
Corvette, s	3565
Cost, ing, s	1355
Cotton	5365
Could	525
Count, ing, s, ed	1456
Country, ies	3455
County, ies	3462
Courage, eous	2361
Courier	541
Course	6514
Cover, ed, *use* "hide"	1553
Crew, s	5561
Crown piece	3265
Cruize, ing, er	5641

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Cure, ed	2513
Current, s	6324
Custom, s, custom house	5523
Cut, ting, s	6123
Cutter	3624
Damage, ed	2345
Danger, ous, ly	6124
Dare, ing, s, ed	2361
Dark, ness	4631
Date, s	3126
Day, s, ly	3126
Deals	5364
Dear, ly, ness	451
Death	2465
December	2641
Deck, s, ed, er, s . ..	4255
Debt	531
Decay, ed, *use* "spoil"	2351
Declare, ation, *use* "announce" ..	1562
Decree, s	3541
Default	425
Deep, ly, deepen, ing, s, ed ..	365
Defeat, ing, s, ed	2416
Defend, ence, *use* "protect" ..	2515
Degree, s	3162
Delay, ing, s, ed	623

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Demand, ing, s, ed .. .	1245
Deny, ing, ies, ied, ial	643
Department, s	3462
Departure	542
Depth	365
Deprive, ing, ed	1423
Describe, ing, s, ed, scription ..	1463
Desert, ion, er	6152
Destroy, struction, *use* "ruin" ..	2351
Detain, detention	624
Did	536
Die, ing, ies, ied, dead	2465
Diet, (assembly)	3526
Differ, ing, s, ed, ent, ence	654
Difficult, ty	355
Direct, ing, s, ed, ion, s, or, s ..	1532
Disable, ing, ed	6154
Discharge, ing, s, ed	651
Disclose, ed, *use* "show"	1552
Discover, ing, s, ed, y	1542
Disease	352
Dismast, ing, ed	6154
Dismiss, ing, es, ed, al	651
Dispatch, ing, es, ed	553
Dissolution	651
Distance	6515
Distant	2315

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Distinguish, ing, *use* "see" ..	1543
Distress, ing, es, ed, in distress ..	6125
Divide, ing, s, ed, ision, al ..	655
Divine service, s	6423
Do, ing, does, done	536
Dock, ing, s, ed, yard	6412
Dollar, s	3265
Doubt, s, ed, ful, ly	2155
Down	315
Drag, ing, s, ed	5653
Draw, ing, s, drew, draught, (of water) ..	6455
Drift, ing, s, ed	5653
Drive, ing, s, drove	5653
Drop, ping, ed, *use* "fall"	2456
Drown, ing, ed	6145
Due	531
During	615
Duty, ies, (tax)	5521
Dye, (woods, &c.)	5416
Each	255
Early	152
Ease, y, ly, ness	356
Ebb, ing, s, ed	6342
Edict	3541
Either, else	55
Elect, ed, ion	1653

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Embargo, es	624
Embassy	3546
Emperor	3524
Empire	3461
Employ, ing, s, ed, ment	1425
Empty	5513
Encrease	1436
End, ing, s, ed	2536
Endanger, s, ed	6124
Endeavour, ed, *use* "attempt" ..	534
Enemy, ies	4136
Engage, ment, *use* "fight"	2365
Engine, s, eer, s	4315
Enough	1435
Enquire, y, *use* "ask"	1243
Ensign, s, (colours)	4152
Ensure, ing, s, ed, ance	5346
Enter, ing, s, ed, rance	546
Entire, ly, *use* "whole"	341
Equal, ly	245
Equip, ment, *use* "rig"	4325
Error, oneous, ly	2153
Escape, ing, ed	2513
Establish, ing, es, ed, ment ..	1246
Even	54
Evening	3154
Event, s	325

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Ever	213
Every	341
Evil	352
Exact, ly, ness..	423
Examine, *use* "reconnoitre" ..	1543
Except, ing	52
Exchange	653
Expect, ed, ation	621
Explain, ation	1524
Export, ing, s, ed, ation	5345
Expose, d, ...	1634
Fail, ed, ure	1236
Fair	342
Fall, (autumn)..	2551
Fall, ing, s, fell	2456
False, ly, hood..	425
Far	2315
Fathom, s	3214
Fault, s	425
Fear, ing, ed, ful	2356
February	2561
Fetch, ing, *use* "bring"	632
Feet	3215
Few, er	263
Fight, ing, s, fought	2365
Figure, s	1462

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Fill, ing, s, ed, full, ly	1452
Final, ly	2536
Find, ing, s, found	1546
Fine, (fair)	342
Finish, ing, es, ed	2536
Fire, ing, (fuel)	5134
Fire, take, catch, or set on fire ..	6155
Fire ship	4126
Fish, ing, ed, erman, ermen ..	5234
Fit, ting, ed	6213
Flag, s, (signal)	4153
Flax, en	5465
Fleet	3556
Flight	2435
Float, ing, s, ed	6135
Flood	6341
Florin, s	3412
Flow, ing, s, ed	6341
Fly, ing	2435
Fog, s, y	456
Follow, ing, s, ed, er, s	612
Foot	3215
For	43
Forbid, s, bade, bidden	642
Force, ing, es, ed	2431
Foreign, er, s	4132
Forget, ing, s, got, en	2143

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Form, ing, s, ed	1462
Former	265
Fort, ress	6425
Fortunate, ly	2355
Forward, s	265
Founder, ing, s, ed	6145
Franc, s	3421
Free, dom	2514
Freight, ing, s, ed, freightage ..	5514
Frequent, ly	214
Friend, ly, ship	4135
Frigate	3564
Friday	3124
From	31
Future	162
Future tense	462
Gain, ing, s, ed	1346
Gale, s	6551
Galliot, s	3621
Gazette, *use* "newspaper"	6543
General, ly	5614
Geography, ical	6235
Get, ing, s, got	1345
Give, ing, s, gave, gift	1342
Give back, giving, gave back ..	1362
Glad, be, am, is, are	2355

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Go, ing, goes, went, gone	541
Go away, going, went, gone away ..	542
Go out, going, went, gone out ..	545
Go in, going, gone, went in ..	546
Gold, en	3256
Good, ness	342
Govern, ing, s, ed, ment, s, or ..	3521
Grain	5425
Grapnel, s	4535
Great, ly, ness .. .	361
Green	4653
Ground, (bottom)	4251
Ground, to ground, ing, s, ed ..	6134
Guard against, guarding, ed against ..	2164
Guide, s	5541
Guidon, s	4162
Gun, s	5253
Gunpowder	5265
Had	513
Hail, ing, ed	6214
Happen, ing, s, ed	561
Happy, ness	2355
Harbour, s	6312
Hard, ness	421
Hardly, (scarcely)	231
Harm	2345

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Has	512
Hasten, ing, s, ed, haste	553
Hauser, s	4552
Have, having	465
Have, (present tense) .. .	512
Have, (future)	514
Hazard, ous	2341
He	21
Hear, ing, s, heard	2145
Heave to, heaving, hove to ..	5635
Heavy, ness, ly	1453
Height	2516
Helm	4261
Help, ing, s, ed	1324
Hemp, en	5463
Hence	126
Henceforth	162
Her, hers	21
Here	126
Here is	134
Hide, ing, s, hidden	1553
Hide, s, (leather)	4615
High	2516
High water	6345
Him, his	21
Hither	126
Hoist, ing, s, ed	2516

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Hold, s, (of a ship)	..	..	4263
Hold, ing, held	..	..	631
Home ..	..	..	6435
Hope, ing, s, ed	..	..	1253
Hostile, ity, ies	..	..	2364
Hour, s ..	..	..	3155
House, s ..	..	..	6435
How ..	..	..	142
How many, how much	..	..	241
However ..	..	..	155
Hull, s ..	..	..	4235
Hurt ..	..	..	2455
Husband ..	..	..	3514
I ..	.	..	16
If ..	..	..	45
Ill, ness ..	..	..	352
Immediate, ly ..	..	..	153
Imperial ..	..	..	3524
Import, ing, s, ed, ation, er		..	5342
Important, ance	..	..	361
Imprison, ed, ment	..	..	2453
In, ner, into, inward, s	..	.	34
In it ..	..	..	15
In future ..	..	..	162
Inch, es ..	..	..	3216
Inconvenient, ly, ence	..	..	355

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

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Indeed	426
Index	1526
Indicate, ing, ed, ion	1526
Indigo	5421
Infantry	5612
Infect, ion, ious	2463
Inform, ing, s, ed, ation	1536
Injure, ing, s, ed, y . ..	2345
Inside	34
Instantly, *use* "immediately" ..	153
Instead	235
Insular	6254
Intelligence	1536
Intend, ing, s, ed, ention, s ..	2146
Into, inward, s	34
Iron	5123
Is	516
Is able	525
Is necessary	526
Is just	556
Island, er	6254
It, (the)	13
It, (pronoun) its	21
Jack, (national)	4155
January	2556

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Jetty	6413
Join, ing, s, ed, junction	563
Journal, s	6543
July	2614
June	2613
Just, ly, justice	423
Keel	4236
Keep, ing, s, kept	631
Keep at a distance	2315
Keep company, *use* "accompany" ..	564
Ketch	3621
Kill, ing, s, ed	2461
Kind, (sort)	1463
King	3524
Kingdom, s	3461
Know, ing, s, knew, knowledge ..	1642
Laden	5354
Lading, (cargo)	5356
Land, (shore)	6251
Landmark, s	6452
Language, s	1652
Lanthorn, s	5152
Large	361
Last, ly, latest, at last	2536
Late, slow	623

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Latitude	6523
Launch, es	4526
Law, s	3541
Lazzaretto	6415
Lead, en, (metal)	5132
Lead in, ing, s, led in	6234
League, s	3164
Leak, ing, s, ed, age	6132
Learn, ing, s, ed, er	2145
Least	264
Leather, n	4615
Leave, ing, s, left	543
Legal, ly	3541
Lend, ing, s, lent	1263
Length	413
Lengthen, ing, s, ed	413
Less	264
Lessen, ing, s, ed	264
Let, (allow)	543
Let go	543
Letter, s	1623
Liable	1634
Liberty	2514
License	645
Lie to, *use* "heave to"	5635
Lieutenant, s, acy	5534
Life	2534

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Light, (little weight)	416
Light, s	5143
Light house, light vessel	5152
Lighten, ing, s, ed	416
Like, ly, ness	1523
Limit, s	2536
List	1456
Little	263
Live, ing, s, ed	2534
Lloyd's	5326
Load, ing, s, ed	5354
Loan, s	1263
Logwood	5416
Long	413
Long boat, s	4526
Longitude	6524
Look, ing, s, ed	1543
Loose, (let go)	543
Lose, ing, s, lost, loss, es	1235
Low, ness	412
Low water	6351
Lower, ing, s, ed	412
Lower mast, yard, &c.	4513
Lugger, s	3625
Lumber	5364
Lunar, s	6525

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Made	536
Magazine, s	6431
Mahogany	5362
Mail, s	3642
Main	4356
Mainmast	4365
Majesty, ies	3524
Make, ing, s	536
Make sail, making, made sail ..	5631
Man, men	3514
Man, men of war	3561
Manner	326
Manufacture, s, ory, ies	5512
Many	256
Map, s	6541
March	2563
Mark, s, (land mark)	6452
Mast, s	4326
Master, s	5532
Mate, s	5536
May, (be able)	525
May, (month)	2565
Me	16
Meal	5156
Mean, ing, s, meant	2146
Meantime, meanwhile	155
Means, by means	326

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Measure, ing, s, ed	..	..	1455
Medicine, s	..	..	5236
Meet, ing, s, met	..	..	565
Men	..	..	3514
Merchant, s, mercantile	..	..	5316
Message, enger	..	..	554
Metal, s, lic	..	..	4655
Middle	..	..	324
Midship, s	..	..	324
Might	..	..	525
Mile, s	..	..	3165
Military	..	..	5562
Mine	..	..	16
Minister, ry	..	..	3542
Minute, s	..	..	3156
Misfortune	..	..	2354
Miss, ing, ed	..	..	1236
Mistake, ing, s, took, en	..	..	2153
Mizen	..	..	4361
Mizen mast	..	..	4512
Mode, s	..	..	326
Molasses	..	..	5452
Monarch, ical	..	..	3524
Monarchy	..	..	3461
Monday	..	..	2651
Money	..	..	3255
Month, s, ly	..	..	2554

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Moon	6525
Moor, ing, s, ed	5652
More, most	261
Morning	3152
Mortal, ity	2465
Mortar, s, ...	5255
Move, *use* "go"	541
Much, (many)	256
Much, (very)	251
Murder, ed, er	2461
Musquet, s, ry..	5256
Must	526
My	16
Nail, s, ed	4621
Name, s	1654
Narrow, ly, ness	364
Nation, s, al	3455
Navigate, ing, s, ed, ation	6512
Navy, al, nautical	3552
Neap tide, s	6354
Near, ly, ness	215
Necessary	526
Neglect, ing, s, ed, ful, igent ..	2154
Neighbour, hood	215
Neither	56
Never	213

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

New, s 453
Newspaper 6543
Next 215
Night, s, to-night 3142
No, nor, not 56
Nobody, none 61
Nothing 62
November 2635
Now 145
Nullify, ier, ication 652
Number, ing, s, ed 1456
Numeral, s 1456

Oar, s 4531
Observe, ing, ed, er, ation 1625
Obtain 1345
Occasion, s, ed 1535
O'clock 3155
October 2634
Of 31
Of it, of them, of which 14
Off 215
Offer, ing, s, ed 1255
Officer, s, ial 5524
Often 214
Oil, y 5146
Old 452

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

On	314
On board	6215
Only	53
On shore	6134
Open, ing, s, ed	1556
Opinion, s	1632
Opium	5243
Opportunity, ies	1535
Oppose, ing, s, ed, ition	641
Opposite, *use* "against"	46
Or	55
Order, ing, s, ed	1655
Ordinance, s	3541
Other, s	135
Ought	531
Our, s	23
Out, er, ward, s, side	321
Over	314
Overtake, *use* "catch"	614
Overturn, ed	6153
Owe, ing, s	531
Own, ing, s, ed, er, s	5321
P. M.	3154
Pacify, ied, ic	2531
Packet, s	3642
Paddle, s	4321

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Paint, ed	4623
Paper, s	6542
Pardon, ing, s, ed	2535
Parliament, ary	3526
Part, ing, s, ed	1234
Pass, ing, es, ed, past, passage ..	551
Passenger, s	5615
Past tense	461
Pay, ing, s, paid, ment	1356
Peace, ful, ly	2531
Pecuniary	3255
Pendant, s	4156
Penny, ies	3425
People	3512
Per cent, age	3452
Perhaps	216
Permit, ing, s, ed, ission	645
Peruvian bark	5245
Petition	1245
Piece, s	1234
Pier	6413
Pig, s	5163
Pilot, s, ing, age	5541
Pirate, s, ical	4125
Pistol, s	5263
Pitch	4613
Place, s, ing, ed .. .	634

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Plan, s	6541
Plenty, ful	1452
Plunder, ing, s, ed	2451
Point, (cape)	6255
Point out, pointed out	1526
Popular, ace, ous, ation	3512
Pork	5163
Port, s	6312
Position, *use* "place"	634
Possession	1345
Possible, y, ility	431
Post, post office	6432
Potash	5413
Potatoes	5216
Pound, s, (sterling)	3264
Pound, s, (weight)	3245
Poultry	5231
Power, s	525
Powder	5265
Pratique, pratique office . ..	6421
Pray, ing, ers	1245
Prepare, ing, s, ed, ation, ative ..	532
Present, ly, (now)	145
Present, s, ed, *use* "give, gift" ..	1342
President, s, ency	3525
Prevent, ing, s, ed, ion	635
Price, s	1355

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Prince, ipal	3525
Print, ing, s, ed, er	1563
Prison, s, er, s	2453
Private	1423
Privateer, s	4123
Prize, s	1365
Probable, y, ility	1523
Proclamation	1562
Profit	1346
Prohibit, ing, s, ed, ion	642
Promise, ing, s, ed, ory	1224
Protect, ing, s, ed, or, s, ion ..	2515
Province, s, ial	3462
Provision, s	5153
Public, ation	1562
Publish, ing, es, ed, er	1562
Pump, s, ing, ed	4312
Purchase, ed, er	1352
Pursue, suit, *use* "chace"	612
Put, ting, s	634
Quadrant, s	6534
Quantity, ies	1455
Quarantine, quarantine ground ..	6415
Quarrel, ing, ed	2364
Quay, s	6413
Question, s	1253

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Quick, ly, ness	153
Quit, ing, ed	542
Quite	341
Raft, s	4523
Raise, ing, es, ed .. .	2516
Rarely	234
Rather, *use* "more soon"	261
Reach, ing, ed	614
Read, ing, s, er	1564
Ready, ily, ness	532
Real, ly, ity	426
Real, s, (money)	3416
Reason, s	1534
Recall	2136
Receipt	1364
Receive, ing, s, ed, er, eption ..	1364
Reckoning	6513
Reconnoitre	1543
Red	4651
Reef, s	6245
Refit, ed, ing	6213
Reform, er	346
Refuse, ing, s, ed, al	643
Regiment, s, al	5564
Register, ing, s, ed, y	5352
Release, ing, s, ed	2514

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Relieve, ing, ed, *use* "assist"	..	1324
Remain, ing, s, ed, der ..	..	621
Remark, ing, s, ed, able ..	..	1625
Remember, ing, s, ed, rance	..	2136
Remove, *use* "take away" ..	..	1423
Rendezvous	..	565
Renew, al	..	6213
Repair, ing, s, ed ..	..	6213
Repeal, ing, s, ed ..	..	652
Repeat, ing, s, ed, ition ..	..	1525
Reply, ies, ied	..	1256
Report, s, ed	..	1652
Request, *use* "ask" ..	..	1243
Resemble, ing, s, ed, ance ..	..	1523
Resist, ance	..	641
Rest, ing, ed	..	621
Restore, ation	..	1362
Retreat, ing, s, ed ..	..	2435
Return, ing, s, ed ..	..	562
Rice	..	5426
Rich, es, ly, ness ..	..	455
Rig, ing, s, ed, er ..	..	4325
Right, s, ly	..	423
Rise, n, rose	.	2516
Risk, ing, s, ed ..	..	2341
River, s	..	6321
Rock, s, y	..	6245

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Rob, ing, s, ed, er, s, ery	2451
Rope, s	4553
Royal, ty	3524
Row, ing, s, ed	4531
Rudder, s	4261
Ruin, s, ed	2351
Run, ing, s, ran . ..	541
Sack, s	3254
Safe, ly, ty	1643
Sail, ing, ed	5625
Sail, s	4515
Sailor, s	5546
Sale, s	1354
Sally	545
Salt, s, saline	5453
Salvage	5351
Same	26
Sand, y, s, sand bank, s	6241
Satisfy, ing, ies, ied, satisfactory, ion ..	1435
Saturday	3125
Save, ing, es, ed	2513
Say, said	1652
Scarcely	231
Schooner, s	3615
Sea	6552
Seaman, seamen	5546

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Search, ing, es, ed	1545
Secret, crecy	1553
Secretary, ies	3545
Secure, *use* "ensure"	5346
See, ing, s, saw, seen	1543
Seed	5425
Seem, ing, ed	1465
Seize, ure	1365
Seldom	234
Self, selves	26
Sell, ing, s, sold	1354
Send, ing, s, sent	554
Separate, ing, ed, ion	655
September	2631
Serve, ing, s, ed, ice, ant, s ..	1325
Set, (put)	634
Set on fire	6155
Settle, ing, ed, er, s, ment, s ..	3465
Several	256
Shall, (future tense)	462
Shall be	523
Shall have	514
Shallow	412
Shape, s	1462
She	21
Shift, ing, ed	653
Shilling, s	3415

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Ship, ing, s	3612
Ship, s of the line	3562
Ship's papers	6542
Shipwreck	6143
Shoal, s	6241
Shop, s	6431
Shore, s	6251
Short, ly, en, ing, ed, ness	415
Shorten sail, ing, s, ed sail	5632
Shot, s	5312
Should	463
Show, ing, s, ed, shown	1552
Shut	1554
Sick, ly, ness	352
Side, s	4253
Siege	625
Sight	1543
Sign, s	4216
Signal, s, ize, ing, ed	4216
Signify, *use* "mean"	2146
Silk, en, s	5462
Silver	3261
Similar, *use* "like"	1523
Since	163
Sink, ing, s, sank, sunk, en	6145
Situation, *use* "place"	634
Size, *use* "measure"	1455

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Slight, ly	416
Slip, ing, s, ed	5654
Sloop, s	3624
Sloop of war	3565
Slow, ly	623
Small, ness	263
Smuggle, ing, s, ed, er	3654
So	42
So many, so much	243
Soap	5246
Society, ies	564
Sol, sous	3426
Solar	6531
Soldier, s, y	5562
Some	253
Sometimes	165
Soon	152
Sooner, *use* "more soon"	261.152
Sort, s	1463
Sorry, be, am, is, are sorry	2354
Sound, ing, s, ed	6453
Sovereign, s	3524
Spar, s	4521
Spare	1263
Speak, ing, s, spoke, n, speech	1652
Spice, s	5436
Spirits	5165

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Split	2346
Spoil, spoilt	2351
Spring, (season)	2545
Spring, ing, sprung, (break) ..	2346
Spring tide, s	6352
Squadron, s	3556
Stand, ing, stood	5634
State, s	3461
States-general	3526
Station	1246
Stay, ing, s, staid	621
Steal, stole, *use* "rob"	2451
Steam vessel	3655
Steer, ing, s, ed, age	5634
Stern, *see page* 22	
Still	154
Stop, ing, s, ed, age	624
Store, s	4561
Store, (shop)	6431
Stow, ing, s, ed, age	634
Strait, s	6315
Strange, er, s	4132
Stream	6324
Strength, en, ing, s, ed	432
Strike, ing, struck	2436
Strong, ly	432
Subject, s, ed, ion	1634

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Succeed, ing, s, ed, cess, ful, ly ..	1326
Such	254
Suffice, ient	1435
Sugar	5451
Sulphur	5415
Summer	2546
Sun	6531
Sunday	2645
Superior	314
Supply, ing, ies, ied	1265
Sure, ly	1643
Surf	6552
Surgeon, s, ery	5542
Surrender, s, ed	2436
Survey, *use* "reconnoitre"	1543
Suspect, ing, s, ed, icious, icion ..	2156
Swim, ing, s, swam	6135
Sword, s	5261
Tack, ing, s, ed	5642
Take, ing, s, took, taken . ..	1365
Take aback, taken aback	6152
Take away, ing, en, took away ..	1423
Take care of, ing, s, took care of ..	2165
Take fire, en, took fire	6155
Take in tow, ing, took, taken in tow ..	6231
Tallow	4565

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Tar	4612
Tariff, s	5516
Tax, ed, es	5521
Tea, s	5435
Telegraph, ing, ed	4231
Tell, ing, s, told	1652
Temporary	2541
Than	65
Thank, ing, s, ed, ful, ly	1425
That, (adverb, "that we may")	65
That, (pronoun, "that ship")	123
The	13
Their, s	25
Them	25
Then	143
There, thence	132
There is, are, *see page* 18	
Therefore	42
These	123
They	25
Thick, ly, ness	456
Thing, s	325
Think, ing, s, thought	1632
This	123
This is	134
Thither	132
Those	123

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Though	54
Thought	1632
Threat, en, ing, s, ed	2316
Through	35
Thursday	2655
Thus	42
Tide, s, tide way	6325
Till	156
Timber, s	5361
Time, s	2541
Time piece, s	6532
Tin	5126
To, towards	32
To be	515
To be able	525
To be necessary	526
To-day	3126
To have	465
To it, to them	15
Tobacco, oes	5456
Together	36
Told	1652
To-morrow	3146
Ton, s, age	3241
Too, too many, too much	246
Top, s	4516
Tow, ing, s, ed, age	6231

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Towards	32
Town, s	6355
Trade, s, ing	5314
Transport, s	3645
Treaty, ies	1432
True, truth	426
Try, ing, ies, ied, al	534
Tuesday	2653
Turn, ing, s, ed	5642
Uncover	1542
Under, neath	315
Understand, ing, s, understood ..	2135
Underwriter, s	5341
Unfortunate, ly	2354
Union	563
Unite, ing, s, ed	563
Universal, ly	341
Unless	52
Unload, *use* "discharge"	651
Unmoor, ing, s, ed	5623
Until	156
Up, upon, upper, upward, s ..	314
Us	23
Use, ing, s, ed, ual, ful, ly	1425
Vacant, ancy, *use* "void"	5513

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Value, able, ed	..	..	1355
Vane, s	..	..	4165
Veer cable, ing, ed cable	..	..	543
Veer, ing, ed ship	..	..	5643
Vegetable, s	..	..	5214
Very	..	..	251
Vessel, s	..	..	3612
Victory, ious	..	..	2415
Victual, ing, s, ed	..	..	5153
View, *use* "sight"	..	..	1543
Vinegar	..	..	5213
Vocabulary, ies	..	..	1654
Void	..	..	5513
Volume, s	..	..	1563
Voyage, s	..	..	5621
Wait, ing, ed	..	..	621
Want, ing, s, ed	..	..	1236
War, warlike	..	..	2364
Warehouse, *use* "magazine"		..	6431
Warn, ing, s, ed	..	..	2163
Was	..	..	521
Watch, (guard)	..	..	2164
Water, ing, s, ed	..	..	5235
Wave, s	..	..	6552
Way, s	..	..	326
We	..	..	23

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Weak, ly, ness	435
Wear, ing, s, wore ship	5643
Weather	2541
Wednesday	2654
Week, s, ly	2643
Weigh, ing, s, ed anchor	5624
Weigh, ing, s, ed, weight	1453
Well	345
Went	541
Went in	546
Went out	545
Were	521
Wharf, s, age	6413
What	124
Wheft	4215
When	136
Whence, where	125
Wherefore	236
Whether	45
Which	124
While, whilst	615
White	4632
Whither	125
Who, whom	124
Whole, ly	341
Whose	124
Why	236

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Wide, ly, width	..	.	362
Wife, wives ..	..	..	3515
Will, (future tense)	..	..	462
Will be ..	..	..	523
Will become ..	..	.	523
Will have ...	..	..	514
Will, willing, (wish)	..	..	1635
Wind, s, y ...	..	..	6545
Windlass ..	..	..	4265
Wine, s ..	..	..	5164
Winter, s, ing ..	..	..	2553
Wish, ing, es, ed, would	..	..	1635
With ..	..	..	36
Within ..	..	..	34
Without ..	..	..	41
Woman, women	..	..	3515
Wood, en, (fire wood)	..	..	5135
Wool, len, s ..	..	..	5461
Word, s ..	..	..	1654
Wore ..	..	..	5643
Work up, *use* "beat up"	.	...	5642
Worse, worst ..	..	..	354
Worth, y ..	..	..	1355
Would, (conditional)	..	..	463
Would, (willed)	..	..	1635
Wound, ing, s, ed	..	..	2455
Wreck, s, ed	..	..	6143

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Write, ing, s, wrote, written ..	1565
Yacht, s	3641
Yard, s (of a ship)	4351
Yard, s, (arsenal)	6412
Year, s, ly	2543
Yellow	4652
Yes	64
Yesterday	3145
Yet	154
You	24
Young	453
Your, s	24

NOTE.

In the following geographical tables the names of places have been given in their regular order of succession, as they appear upon the map, beginning at the northern extremity of Europe; many of them bearing no resemblance to each other in different languages, a corresponding alphabetical arrangement would have been impracticable. Thus, for instance, England, Angleterre, Inghilterra :—Spain, Espagne, Hispanien :—United States, Stati Uniti, Etats Unis: which do not even agree in their initial letters.

In Table III. may be inserted the names of any places accidentally omitted, or which may hereafter grow into importance.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

	12	Europe, an, s.
	13	Scandinavia, n, s.
	14	Norway, wegian, s.
	15	North Cape.
	16	Drontheim.
NORWAY.	21	Christiansund.
	23	Bergen.
	24	Naze of Norway.
	25	Stavenger.
	26	Christianstadt.
	31	Arendahl.
	32	Christiana.
	34	Sweden, Swede, s, ish.
	35	Uddevalla.
	36	Gottenburg.
SWEDEN.	41	The Cattegat.
	42	Helsingborg.
	43	The Sound.
	45	Huen.
	46	Saltholme.
	51	Malmo.
	52	Falsterbo Light.
	53	Ystadt.
	54	Baltic Sea.
	55	Bornholme.
BALTIC.	56	Carlscrona.
	61	Calmar.
	62	Oeland.
	63	Gothland.
	64	Wisby.
	65	Stockholm.
	123	Alderholme.
	124	Gefle.
SWEDEN.	125	Umea.
	126	Gulf of Bothnia.
	132	Isles of Aland.
	134	Tornea.
	135	Finland, er, Fin, s, Finnish.
	136	Uleaborg.
FINLAND.	142	Wasa.
	143	Abo.
	145	Helsingfors.
	146	Vyborg.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn singly where best seen.

RUSSIA.	152	Gulf of Finland.
	153	Russia, n, ans.
	154	St. Petersburg.
	155	Archangel.
	156	Cronstadt.
	162	Narva.
	163	Revel.
	164	Port Baltic.
	165	Isle of Œsel.
	213	Arensburg.
	214	Riga, man, men.
POLAND.	215	Poland, er, ish.
	216	Libau.
	231	Memel.
	234	Pillau.
	235	Koningsberg.
PRUSSIA.	236	Germany, man, men.
	241	Dansig, er, s.
	243	Prussia, n, s.
	245	Gripswalde.
	246	Stettin.
	251	Isle of Rugen.
PRUSSIA.	253	Stralsund.
	254	Rostock.
	255	Wismar.
	256	Travemunde.
	261	Lubeck, er.
DENMARK.	263	Denmark, Dane, s, Danish.
	264	Kiel.
	265	Christianshafen.
	312	Jutland.
	314	Sleswic.
	315	Little Belt.
	316	Appenrade.
	321	Svendborg.
	324	Great Belt.
	325	Nyeborg.
	326	Corsoer.
	341	Makskoy.
	342	Rodbye.
	345	Stubbekioping.
	346	Presto.
	351	Copenhagen.
	352	Elsinore.
	354	Aarhuus.
	355	Anholt.

GEOGRAPHICAL TABLE. I.

A WHEFT.

To be shewn separately where best seen.

DENMARK.	356	Aalborg.
	361	Lessoe Isle.
	362	The Skaw.
	364	Tonningen.
	365	Glukstadt.
	412	Altona.
HANOVER.	413	Hamburgh.
	415	Elbe River.
	416	Heligoland.
	421	Hanover, ian, s.
	423	Cuxhaven.
	425	Bremen, er.
	426	Norden.
	431	Emden.
HOLLAND.	432	Holland, Dutch, Dutchman, men.
	435	Groningen.
	436	Ameland.
	451	Tercheling.
	452	Vlieland.
	453	Texel.
	455	Harlingen.
	456	Amsterdam.
	461	Zuiderzee.
HOLLAND.	462	Hoorne.
	463	Helder.
	465	Leyden.
	512	Rhine River.
	513	The Hague.
	514	Utrech.
	515	Rotterdam.
	516	Brill.
	521	Dortrech.
	523	Helvoetsluys.
	524	Flushing.
	525	Middleborg.
	526	The Scheldt.
BELGIUM.	531	Belgium.
	532	Brussels.
	534	Antwerp.
	535	Ostende.
	536	Nieuport.
	541	North Sea.
	542	Galloper Light.
BRITAIN.	543	Great Britain.
	545	Briton, s, ish.
	546	England, ish, man, Englishmen.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

ENGLAND.	551	The Downs.
	552	South Foreland.
	553	Goodwin Sands.
	554	Deal.
	556	Sandwich.
	561	Ramsgate.
	562	North Foreland.
	563	Margate.
	564	The Nore.
	565	Thames River.
	612	Sheerness.
	613	Medway.
	614	Chatham.
	615	Gravesend.
	621	London.
	623	Harwich.
	624	Holsely Bay.
	625	Orfordness.
	631	Aldborough.
	632	Southwold.
	634	Lowestoff.
	635	Yarmouth.
	641	Cromer Light.
	642	Lynn Regis.
	643	Humber River.
	645	Grimsby.
ENGLAND.	651	Hull.
	652	Spurn Head.
	653	Bridlington.
	654	Flamborough head.
	655	Scarborough.
	1234	Whitby.
	1235	Stockton-on-Tees.
	1236	Sunderland.
	1243	Shields.
	1245	Newcastle.
	1246	Blyth.
	1253	Staples Lights.
	1254	Workington.
	1255	Berwick.
SCOTLAND.	1256	Scotland, Scot, s, Scotsman, men.
	1263	St. Abbs.
	1264	Dunbar.
	1265	Inch Keith Light.
	1324	Leith.
	1325	Edinburgh.
	1326	Grangemouth.
	1342	Frith of Forth.
	1345	Isle of May Light.
	1346	St. Andrew's.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

SCOTLAND.	1352	Dundee.
	1354	Bell Rock Light.
	1355	Arbroath.
	1356	Montrose.
	1362	Stonehaven.
	1364	Aberdeen.
	1365	Buchan Ness.
	1423	Peterhead.
	1425	Inverness.
	1426	Ubapool.
	1432	Cromarty.
	1435	Wick.
	1436	Duncansby Head.
	1452	Pentland Frith.
	1453	Orkney Isles.
	1455	Kirkwall.
	1456	Ronaldsha South.
	1462	Stromness.
	1463	Papa Westra.
	1465	Ronaldsha North.
	1523	Fair Island.
	1524	Shetland Isles.
	1525	Sumburgh Head.
	1526	Lerwic.
	1532	Ferroe Isles.
ICELAND.	1534	Iceland, er, s, ish.
	1535	Mount Hecla.
	1536	Skalholt.
SCOTLAND.	1542	Thurso, Scrabster Road.
	1543	Cape Wrath.
	1545	Loch Eribol.
	1546	Hebrides.
	1552	Lewis, But of.
	1553	Skye Island.
	1554	Mull Island.
	1556	Tobermory.
	1562	Mull of Cantyre.
	1563	Isla Rock.
	1564	Clyde River.
	1565	Greenock.
	1623	Glasgow.
	1624	Saltcoats.
	1625	Air Light.
	1632	Ailsa Rock.
	1634	Loch Ryan.
	1635	Port Patrick.
	1642	Mull of Galloway.
	1643	Kirkcudbright.
	1645	Dumfries.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shown separately where best seen.

ENGLAND.	1652	Solway Firth.
	1653	Whitehaven.
	1654	St. Bees' Head.
	1655	Isle of Man.
	2134	Point of Ayre.
	2135	Douglas.
	2136	Lancaster.
	2143	Formby Point.
	2145	Mersey River.
	2146	Liverpool.
WALES.	2153	Wales, Welsh, Welshman, men.
	2154	Orm's Head.
	2155	Point Penrhynn.
	2156	Anglesea.
	2163	Beaumaris.
	2164	Holyhead.
	2165	Aberystwith.
	2314	Cardigan.
	2315	St. David's Head.
	2316	Small's Light.
IRELAND.	2341	Ireland, Irish, man, Irishmen.
	2345	Wexford.
	2346	Wicklow.
	2351	Kingstown.
	2354	Dublin, (light.)
	2355	Houth, (light.)
	2356	Drogheda.
	2361	Dundalk.
	2364	Newry.
	2365	Donnaghadee.
	2413	Belfast.
	2415	Carrickfergus.
	2416	Rathlin Isle.
	2431	Londonderry.
	2435	Malin Head.
	2436	Lough Swilly.
	2451	Tory Island.
	2453	Killybegs.
	2455	Donegal.
	2456	Sligo.
	2461	Broadhaven.
	2463	South Arran Isles.
	2465	Galloway.
	2513	Clew Bay.
	2514	Westport.
	2515	Loop Head Light.
	2516	Shannon River.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

IRELAND.	2531	Limerick.
	2534	Tralee.
	2535	Dingle.
	2536	Valentia.
	2541	Skellig's Light.
	2543	Bantry Bay.
	2545	Bearhaven.
	2546	Mizen Head.
	2551	Cape Clear.
	2553	Old Head of Kinsale.
	2554	Kinsale.
	2556	Cork.
	2561	Youghal.
	2563	Dungarvan.
	2564	Waterford.
	2565	Hook Light.
	2613	Carnsore Point.
	2614	St. George's Channel.
WALES.	2615	Milford Haven.
	2631	Pembroke.
	2634	Bristol Channel.
	2635	Swansea.
	2641	Cardiff.
ENGLAND.	2643	Severn River.
	2645	Gloucester.
	2651	Bristol.
	2653	Pill.
	2654	Portishead.
	2655	Minehead.
	3124	Ilfracombe.
	3125	Barnstaple.
	3126	Biddeford.
	3142	Lundy Isle.
	3145	Hartland Point.
	3146	Padstow.
	3152	St. Ives.
	3154	Land's End.
	3155	Scilly Isles.
	3156	St. Agnes' Light.
	3162	Penzance.
	3164	Mount's Bay.
	3165	Helstone.
	3214	Lizard.
	3215	Falmouth.
	3216	Eddystone Light.
	3241	Fowey.
	3245	Causand Bay.
	3246	Plymouth.
	3251	Bolt Head.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

ENGLAND.	3254	Kingsbridge.
	3255	Start Point.
	3256	Dartmouth.
	3261	Berry Head.
	3264	Torbay.
	3265	Teignmouth.
	3412	Exmouth.
	3415	Bridport.
	3416	Portland.
	3421	Alderney.
	3425	Gaskets.
	3426	Guernsey.
	3451	Jersey.
	3452	Weymouth.
	3455	St. Alban's Head.
	3456	Poole Harbour.
	3461	Needles.
	3462	Isle of Wight.
	3465	St. Helen's.
	3512	Spithead.
	3514	Cowes.
	3515	Yarmouth South.
	3516	Lymington.
	3521	Southampton.
	3524	Portsmouth.
	3525	Shoreham.
ENGLAND.	3526	Brighton.
	3541	Newhaven.
	3542	Beachy Head.
	3545	Hastings.
	3546	Rye.
	3551	Dungeness.
	3552	Folkestone.
	3554	Dover.
	3556	British Chànnel.
FRANCE.	3561	France, French, Frenchman, men.
	3562	Dunkirk.
	3564	Gravelines.
	3565	Calais.
	3612	Boulogne.
	3614	Abbeville.
	3615	Dieppe.
	3621	St. Valery.
	3624	Fecamp.
	3625	Havre de Grace.
	3641	Seine River.
	3642	Rouen.
	3645	Paris, ian, s.
	3651	Honfleur.
	3652	Caen.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

FRANCE.	3654	Barfleur.
	3655	Cherbourg.
	4123	Cape La Hogue.
	4125	Granville.
	4126	St. Maloes.
	4132	Brittany, Breton, s.
	4135	Morlaix.
	4136	Ushant Isle.
	4152	Brest.
	4153	Quimper.
	4155	L'Orient.
	4156	Morbihan.
	4162	Quiberon.
	4163	Belle Isle.
	4165	Port Louis.
	4213	Loire River.
	4215	Nantes.
	4216	Isle D'Yeu.
	4231	Sables D'Olonne
	4235	Isle Rhe.
	4236	Rochelle.
	4251	Charente.
	4253	Isle Bas.
	4255	Rochefort.
	4256	Oleron.
	4261	Isle D'Aix.
FRANCE.	4263	Cordofan Light.
	4265	Gironde River.
	4312	Bourdeaux
	4315	Bayonne.
	4316	St. Jean de Icoy.
	4321	Bay of Biscay.
SPAIN.	4325	Spain, ish, iard, s.
	4326	Passages.
	4351	St. Sebastian.
	4352	Bilbao.
	4355	Santona.
	4356	Santander.
	4361	Gijon.
	4362	Cape Ortegal.
	4365	Ferrol.
	4512	Corunna.
	4513	Cape Finisterre.
	4515	Muros Bay.
	4516	Vigo.
	4521	Minho River.
PORTUGAL.	4523	Portugal, guese.
	4525	Vianna.
	4526	Oporto.
	4531	Aveiro.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

PORTUGAL.	4532	Figuera.
	4535	Burling's Rock.
	4536	Tagus River.
	4551	Lisbon.
	4552	Setubal, (St. Ubes.)
	4553	Cape St. Vincent.
	4556	Lagos.
	4561	Villa Nuova.
SPAIN.	4562	Guadiana.
	4563	Ayamonte.
	4565	San Lucar.
	4612	Cadiz.
	4613	Cape Trafalgar.
	4615	Straits of Gibraltar.
	4621	Tariffa Point.
	4623	Algeziras.
	4625	Gibraltar, ese.
	4631	Mediterranean.
	4632	Alboran Isle.
	4635	Malaga.
	4651	Adra.
	4652	Cape de Gatte.
	4653	Carthagena.
	4655	Cape Palos.
	5123	Alicant.
SPAIN.	5124	Altea.
	5125	Cape St. Martin.
	5126	Xabia.
	5132	Ivica.
	5134	Majorca.
	5135	Palma.
	5136	Minorca, quin, s.
	5142	Mahon.
	5143	Denia.
	5145	Valencia.
	5146	Murviedro.
	5152	Tortosa.
	5153	Tarragona.
	5154	Barcelona.
	5156	Bay of Roses.
FRANCE.	5162	Port Vendre.
	5163	Adge.
	5164	Cette.
	5165	Rhone, Mouths of
	5213	Aigue Mortes.
	5214	Marseilles.
	5215	Toulon.
	5216	Hyeres Isles.
	5231	Frejus.
	5234	Antibes.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

ITALY, N.W.	5235	Italy, ian, s.
	5236	Nice.
	5241	Villa Franca.
	5243	Savona.
	5245	Genoa, esc.
	5246	Porto Fino.
	5251	Spezia.
	5253	Porto Venere.
	5254	Tuscany, can, s.
	5256	Leghorn.
ELBA.	5261	Elba.
	5263	Porto Ferajo.
	5264	Porto Longone.
CORSICA.	5265	Corsica, n, s.
	5312	Bastia.
	5314	Cape Corse.
	5315	St. Fiorenzo.
	5316	Calvi.
	5321	Ajaccio.
	5324	Bonifaccio.
	5325	Porto Vecchio.
	5326	Pianosa.
ITALY.	5341	Orbitello.
	5342	Port Ercole.
	5345	Rome, an, s.
	5346	Civita Vecchia.
SARDINIA.	5351	Tiber, Mouth of.
	5352	Ponza Isle.
	5354	Sardinia, n, s.
	5356	Terra Nova.
	5361	Cape Carbonera.
	5362	Cagliari.
	5364	Toro Isle.
	5365	Gulf of Palma.
NAPLES.	5412	Oristano.
	5413	Asinara.
	5415	Magdalene Isles.
	5416	Gaeta.
	5421	Ischia.
	5423	Naples, politan, s.
	5425	Capri.
	5426	Salerno.
	5431	Policastro.
SICILY.	5432	Sicily, ian, s.
	5435	Messina.
	5436	Melazzo.
	5451	Lipari Isles.
	5452	Cefalu.
	5453	Palermo, itan, s.
	5456	Ustica.
	5461	Trapani.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

SICILY.	5462	Marettymo.	VENICE.	5614	Venice, itian, s.
	5463	Marsala.		5615	Adriatic.
	5465	Girgenti.		5621	Tyroll, ese.
	5512	Alicata.		5623	Aquileia.
	5513	Terra Nuova.			
	5514	Cape Passaro.	HUNGARY. AUSTRIA.	5624	Austria, n, s.
	5516	Syracuse.		5625	Trieste.
	5521	Augusta.		5631	Istria, n, s.
	5523	Catania.		5632	Pola.
				5634	Hungary, arian, s.
	5524	Reggio.		5635	Fiume.
	5526	Cape Spartivento.		5641	Dalmatia, n, s.
	5531	Cotrone.		5642	Zara.
	5532	Tarento.	DALMATIA.	5643	Sebenico.
	5534	Galipoli.		5645	Trau.
	5536	Cape St. Maria.		5651	Spalatro.
ITALY, SOUTH.	5541	Otranto.		5652	Lissa.
	5542	Brindisi.		5653	Ragusa. n, s.
	5543	Bari.		5654	Cattaro.
	5546	Trani.			
	5561	Manfredonia.		6123	Albania, n, s.
	5562	Gargano.	ALBANIA.	6124	Dulcigno.
	5563	Viesti.		6125	Durazzo.
	5564	Lombardy, bard, s.		6132	Avlona.
	5612	Ancona.		6134	Butrinto.
	5613	Po, Mouths of.		6135	Prevesa.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

IONIAN ISLES.	6142	Gulf of Arta.
	6143	Ionian Isles.
	6145	Corfu, iote, s.
	6152	Sta Maura.
	6153	Ceffalonia, n, s.
	6154	Zante, iote, s.
	6155	Sapienza Isles.
	6213	Cerigo.
	6214	Cerigotto.
LEVANT.	6215	Levant, ine, s.
	6231	Candia, ote, s.
	6234	Carabusa.
	6235	Cape Spada.
	6241	Canea.
	6243	Suda.
	6245	Rettymo.
	6251	Candia, (city.)
	6253	Spina Longa.
	6254	Settia.
	6255	Scarpanto, ian, s.
	6312	Tristonato.
	6314	Sfaccia.
GREECE.	6315	Greece, ian, Greek, Greeks.
	6321	Vonitza.
	6324	Missolonghi.
	6325	Lepanto.
MOREA.	6341	Morea, ote, s.
	6342	Corinth, ian, s.
	6345	Vostitza.
	6351	Patras.
	6352	Navarino.
	6354	Modon.
	6355	Coron.
	6412	Cape Matapan.
	6413	Napoli di Malvoisie.
	6415	Napoli di Romania.
GREECE.	6421	Spetzia, iote, s.
	6423	Hydra, iote, s.
	6425	Poros.
	6431	Athens, ian, s.
	6432	Cape Collonna.
ARCHIPELAGO.	6435	Port Mandri.
	6451	Archipelago.
	6452	Snt. George's.
	6454	Thermia.
	6455	Serpho.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

ARCHIPELAGO.	6512 Siphno.	GREECE.	6535 Negropont.
	6513 Milo, ote, s.		6541 Cape Doro.
	6514 Santorin.		6542 Skiro.
	6515 Stampalia.		6543 Gulf of Volo.
	6521 Naxia.		
	6523 Paros.	TURKEY.	6545 Tricheri.
	6524 Delos.		6551 Salonica.
	6525 Miconi.		6552 Mount Athos.
	6531 Syra.		6553 Contessa.
	6532 Tino.		6554 Porto Cavallo.
	6534 Andro.		

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

TURKEY.	12 Thasso.	MUSCOVY.	53 Azoff, Sea of.
	13 Lemnos.		54 Taganroc.
	14 Imbro.		56 Don River.
	15 Turkey, Turk, s, ish.		61 Muscovy, ite, s.
	16 Enos.		
	21 Saros, Gulf of.	CIRCASSIA.	62 Asia, atic, s.
	23 The Dardanelles.		63 Circassia, n, s.
	24 Galipoli.		64 Taman.
	25 Constantinople.		65 Anapa.
	26 Bosphorus.		123 Caspian Sea.
	31 Black Sea.		124 Astracan.
	32 Burgas.	GEORGIA.	125 Georgia, n, s.
	34 Varna.		126 Poti.
	35 Danube River.		132 Trebisond.
	36 Galatz.		134 Sinope.
			135 Eraclea.
CRIMEA. BESSARABIA.	41 Odessa.	ASIA MINOR.	136 Scutari.
	42 Nicolief.		142 Nicomedia.
	43 Cherson.		143 Artaki.
	45 Dnieper River.		145 Marmora.
	46 Crimea, n, s.		146 Abydos.
	51 Sebastopol.		152 Tenedos.
	52 Jenicale.		153 Adramyti.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

ASIA MINOR.	154	Mytelene, ian, s.	SYRIA.	312 Scandaroon.
	156	Port Kaloni.		314 Latichia.
	162	Port Olivier.		315 Tripoli.
	163	Smyrna, iote, s.		316 Beyroot.
	164	Vourla.		321 Acre.
	165	Cape Carabournou.		324 Jaffa.
	213	Scio, ian, s.		
	214	Chesme.	EGYPT.	325 Africa, n, s.
	215	Sighajie.		326 Egypt, ian, s.
	216	Scala Nova.		341 Nile River.
	231	Samos, ian, s.		342 Damietta.
	234	Pacha Limany.		345 Cairo.
	235	Boudroon.		346 Rosetta.
	236	Stancho.		351 Aboukir Bay.
	241	Symi.		352 Alexandria, n, s.
	243	Rhodes, ian, s.		354 Bomba.
	245	Lindo.	TRIPOLI.	356 Bengazi.
	246	Caramania, n, s.		361 Tripoli, tan, s.
	251	Marmorice.		362 Sfax.
CARAMANIA.	253	Macri.		364 Lampedosa.
	254	Castelorizzo.		365 Linosa.
	256	Port Cavaliere.	MALTA.	412 Malta, ese.
	261	Cyprus, ian, s.		413 Marsa Scirocco.
	263	Famagousta.		415 Valetta.
	264	Larneca.		416 Goza.
	265	Syria, n, s.		421 Pantellaria.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

TUNIS.	423	Cape Bon.
	425	Tunis, ian, s.
	426	Porto Farina.
	431	Biserta.
	432	Galita Isle.
	435	Bona.
	436	Alkaza.
ALGIERS.	451	Bujeia.
	452	Algiers.
	453	Oran.
	456	Melilla.
	461	Cape Tres Forcas.
	462	Barbary, ian, s.
	463	Tetuan.
MOROCCO.	465	Ceuta.
	512	Morocco, quin, s.
	513	Tangiers.
	514	Cape Spartel.
	516	El Ariche.
	521	Salee.
	523	Mogadore.
MADEIRA ISLES.	524	Atlantic.
	526	Porto Santo.
	531	Madeira.
	532	Funchal.

AZORES ISLES.	534	Azores Islands.
	536	Terceira.
	541	St. Michel.
	542	Fayal.
	543	Flores.
	546	Pico.
	561	Formigas.
CANARY ISLES.	562	Canary Isles.
	563	Palma.
	564	Ferro.
	612	Teneriffe.
	613	Gomera.
AFRICA.	614	Cape Bojador.
	615	Senegal.
	621	Cape Verde.
CAPE VERDE ISLES.	623	Cape Verde Isles.
	624	St. Vincent.
	625	St. Jago.
	631	Fogo.
	632	Porto Praya.
	634	Buona Vista.
	635	Goree.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

GUINEA.	641	Gambia River
	642	Sierra Leone.
	643	Gold Coast.
	645	Guinea.
	651	Cape Coast Castle.
	652	Biaffra.
	653	Benin.
	654	Niger River.
AFRICA, S.W.	1234	Fernando Po.
	1235	St. Thomas.
	1236	Anno Bonn.
	1243	St. Matthew.
	1245	Ascension.
	1246	St. Helena.
	1253	Congo River.
	1254	Angola.
	1256	Loanda.
	1263	Benguela.
	1264	Cape Negro.
	1265	Cape of Good Hope.
THE CAPE.	1324	Saldanna Bay.
	1325	Table Bay.
	1326	Simon's Bay.
	1342	False Bay.
	1345	Cape Aiguillas.
AFRICA, S.E.	1346	Algoa Bay.
	1352	Natal.
	1354	De la Goa Bay.
	1356	Cape Corientes.
	1362	Sofala.
	1364	Mozambique.
	1365	Comoro Isles.
INDIAN OCEAN.	1423	Madagascar.
	1425	Thousand Isles.
	1426	Cape St. Mary's.
	1432	Port Dauphin.
	1435	Bourbon.
	1436	Mauritius.
	1452	Port St. Louis.
	1453	Amsterdam Isle.
	1454	St. Paul.
	1462	Tamatave.
	1463	Isle St. Mary's.
	1465	Quilloa.
	1523	Zanzibar.
	1524	Mombaza.
AFRICA, N.E.	1526	Melinda.
	1532	Mahé Islands.
	1534	Magadoxa.
	1536	Socotora Isle.
	1542	Cape Guardafui.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

EGYPT.	1543	Straits of Babel-mandel.
	1546	Red Sea.
	1562	Abyssinia, n, s.
	1563	Coseir.
	1564	Suez.
ARABIA.	1623	Judea, Jew, s, ish.
	1624	Arabia, n, s.
	1625	Jidda.
	1632	Mocha.
	1634	Aden.
	1635	Cape Rosalgate.
	1642	Mascat.
	1643	Persian Gulf.
	1645	Bahrein Isles.
TURKEY.	1652	Euphrates.
	1653	Bussora.
	1654	Tigris.
	2134	Bagdad.
PERSIA.	2135	Persia, n, s.
	2136	Busheir.
	2143	Ormus.
INDIA.	2145	Indus.
	2146	India, n, s, ies, Indiaman, men.
HINDOSTAN. MALABAR COAST.	2153	Tatta.
	2154	Gulf of Cutch.
	2156	Hindostan.
	2163	Bate.
	2164	Cambay.
	2165	Braoch.
	2314	Surat.
	2315	Bombay.
	2316	Bancout.
	2341	Goa.
	2345	Malabar Coast.
	2346	Calicut.
	2351	Laccadive Isles.
	2354	Cochin.
	2356	Cape Comorin.
	2361	Maldive Isles.
	2364	Ramisseram.
	2365	Manar.
CEYLON.	2413	Ceylon.
	2415	Columbo.
	2416	Point de Galle.
	2431	Dondra Head.
	2435	Batticola.
	2436	Trincomalee.
	2451	Jafnapatam.
	2453	Negapatam.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

HINDOSTAN. COROMANDEL COAST.

2456 Tranquebar.
2461 Coromandel Coast.
2463 Pondicherry.
2465 Madras.
2513 Masulipatam.
2514 Bengal.
2516 Hooghly River.
2531 Calcutta.
2534 Ganges.
2536 Burampootah.
2541 Birman, s.
2543 Arracan.
2546 Amherst.
2561 Andaman Isles.
2563 Port Cornwallis.
2564 Nicobar Isles.
2613 Irrawaddy River.
2614 Rangoon.
2615 Merguin.
2631 Tavoy.
2634 Malaya, lay, s.
2635 Pulo Penang.
2641 Malacca.
2643 Sincapore.
2645 Sumatra, n, s.
2651 Bencoolen.

INDIA.

INDIAN ISLES.

2653 Palembang.
2654 Banca.
3124 Straits of Gaspar.
3125 Biliton.
3126 Straits of Sunda.
3142 Java, n, ese.
3145 Batavia.
3146 Madura.
3152 Timor.
3154 Timorlaut.

AUSTRALIA.

3156 Australia, n, s, (New Holland.)
3162 Melville Island.
3164 Cambridge Gulf.
3165 Admiralty Isles.
3214
3215 Shark's Bay.
3216 Swan River.
3241
3245 Fremantle.
3246 Port Lechenaut.
3251 Cape Naturalist.
3254 Cape Leeuwin.
3256 King George's Sound.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

AUSTRALASIA.	3261	Albany.
	3264	Spencer's Gulf.
	3265	
	3412	Gulf St. Vincent.
	3415	
	3416	Kangaroo Island.
	3421	Port Philip.
	3425	Bass Strait.
	3426	Banks Strait.
VAN DIEMAN'S LAND.	3451	Van Dieman's Land
	3452	Port Dalrymple.
	3456	Launceston.
	3461	Albatross Isle.
	3462	Macquarrie's Harbour.
	3465	South-West Cape.
	3512	Hobart's Town.
NEW SOUTH WALES.	3514	
	3516	New South Wales.
	3521	Sydney.
	3524	Port Jackson.
	3526	Port Stephen.
	3541	Port Macquarrie.
	3542	Gulf of Carpentaria.
	3546	Torres Straits.
	3561	Australasia.
POLYNESIA.	3562	South Seas, (Pacific.)
	3564	Norfolk Island.
	3612	New Zealand, er, s.
	3614	Bay of Islands.
	3615	Cook's Strait.
	3621	Friendly Isles.
	3624	New Caledonia.
	3625	Society Isles.
	3641	Marquesas.
	3642	Admiralty Isles.
	3645	Solomon Isles.
	3651	New Guinea.
EAST INDIA ISLANDS.	3652	Moluccas.
	3654	Banda.
	4123	Ceram.
	4125	Amboyna.
	4126	Ternate.
	4132	Gillolo.
	4135	Celebes.
	4136	Macassar.
	4152	Boultain.
	4153	
	4156	Straits of Macassar.
	4162	Borneo.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

EAST INDIA ISLANDS.	4163	Philippine Isles.
	4165	Mindanao.
	4213	Luzon
	4215	Manilla.
	4216	Ladrone Isles.
SIAM.	4231	Gulf of Siam.
	4235	Siam, ese.
	4236	Cochin China, ese.
	4251	Cambodia.
	4253	Turon Harbour.
	4256	
CHINA.	4261	China, ese.
	4263	Hainan.
	4265	
	4312	Macao.
	4315	Canton.
	4316	Lintin.
	4321	Formosa.
	4325	
	4326	Loochoo Isles.
	4351	
	4352	Amoy.
	4356	Chusan.
	4361	Ningpo.
CHINA.	4362	Nanking.
	4365	
	4512	Shantung.
	4513	Yellow Sea.
	4516	Peking.
	4521	Tartary, ian, s.
	4523	Correa, n, s.
	4526	
JAPAN.	4531	Japan, ese.
	4532	Nagasaki.
	4536	Jeddo.
	4561	Jesso.
	4562	Straits of La Perouse.
SANDWICH ISLES. TARTARY.	4563	Seghalien.
	4612	Okhotsk.
	4613	
	4615	Kamschatka, dale, Kamschatkadales.
	4621	Harbour of St. Peter and St. Paul.
	4623	Sandwich Islands, islander, s.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

NORTH AMERICA.	4625	Atkooi.
	4631	Owhyhee.
	4632	Woohoo.
	4635	
	4651	Sea of Anadir.
	4652	Behring's Straits.
	4653	North America, n, Americans.
	5123	Fox Islands.
	5124	
	5126	New Archangel.
	5132	Queen Charlotte Isle.
	5134	Quadra Isle.
	5136	Columbia River.
	5142	Port St. Francis.
	5143	California, n, s.
	5146	
MEXICO.	5162	Mexico, an, s.
	5163	St. Blas.
	5164	Acapulco.
	5213	Guatimala, n, s.
	5214	Realejo.
	5216	Nicaragua.
	5231	Panama.
SOUTH AMERICA.	5234	South America, n, Americans.
	5236	Gallipagos.
	5241	Albemarle Isle.
	5243	Chatham Isle.
	5246	Columbia, n, s.
	5261	Guayaquil.
	5263	Peru, vian, s.
	5264	Cape Blanco.
PERU.	5312	Paita.
	5314	Truxillo.
	5316	Arnedo.
	5321	Callao di Lima.
	5324	Arica.
	5326	
CHILI.	5341	Chili, an, s.
	5342	Coquimbo.
	5346	Valparaiso.
	5361	Juan Fernandez.
	5364	Conception.
	5365	Valdivia.
	5412	Chiloe.
	5413	Tres Montes.
	5416	Patagonia, n, s.
	5421	Straits of Magellan.
	5423	Terra del Fuego.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

SOUTH AMERICA.	5426	Cape Horn.
	5431	Staten Island.
	5432	
	5436	Falkland Isles.
	5461	Port Egmont.
	5462	
	5463	St. Josef.
	5612	
	5613	Buenos Ayres, ean, Ayreans.
	5614	Rio de la Plata.
	5621	Monte Video.
	5623	Maldonada.
	5624	Cape St. Maria.
	5631	Rio Grande.
	5632	Sta. Marta.
	5634	Isles St. Catherine.
	5641	Parangua.
BRAZIL.	5642	Brazil, ian, s.
	5643	Rio Janeiro.
	6123	Cape Frio.
	6124	Trinidad Isle.
	6125	Spirito Santo.
	6132	Porto Seguro.
	6134	Bahia.
	6135	Pernambuco.
BRAZIL.	6142	Cape St. Roque.
	6143	Fernando di Noronha.
	6145	Isle St. Paul.
	6152	Maranham.
	6153	Para.
	6154	Isle Johannes.
GUIANA.	6213	River Amazon.
	6214	Guiana, ian, s.
	6215	Cayenne.
	6231	Surinam.
	6234	Paramaribo.
	6235	Berbice.
	6241	Demarara.
	6243	Essequibo.
	6245	Orinoco River.
	6251	Gulf of Paria.
WEST INDIES.	6253	West Indies, ia, n, s, man, men.
	6254	Trinidad.
	6312	Tobago.
	6314	Windward Isles.
	6315	Grenada.
	6321	St. Vincent.
	6324	Barbadoes.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

WEST INDIES.	6325	St. Lucie.	WEST INDIES.	6451	Anguilla.
	6341	Martinique.		6452	Anegada.
	6342	Fort Royal.		6453	Tortola.
	6345	Leeward Isles.		6512	St. Croix.
	6351	Dominica.		6513	St. Thomas.
	6352	Marie Galante.		6514	Porto Rico.
	6354	Guadaloupe.	ST. DOMINGO.	6521	St. Domingo.
	6412	Basseterre.		6523	Cape Francois.
	6413	Desirada.		6524	Port au Paix.
	6415	Montserrat.		6531	Gonave Isle.
	6421	Antigua.		6532	Port au Prince.
	6423	Nevis.		6534	Inacua.
	6425	St. Kitts.		6541	Bahamas.
	6431	Berbuda.		6542	Turk Island.
	6432	St. Eustatia.		6543	Caicos.
	6435	St. Bartholomew.			

GEOGRAPHICAL TABLE. III.

BALL OVER A WHEFT

To be shewn separately where best seen.

BAHAMAS.	12	Mariguana.
	13	Crooked Island.
	14	St. Salvador.
	15	Eleuthera.
	16	Providence.
	21	Nassau.
	23	Abaco.
BERMUDA.	24	Bermudas Isles.
	25	St. George.
	26	North Rock.
	31	Bahama.
CUBA.	32	Cuba.
	34	Matanzas.
	35	Havannah.
	36	Cape St. Antonio.
	41	Pinos Isle.
	42	Trinidad.
	43	St. Jago di Cuba.
	45	Baracoa.
JAMAICA.	46	Jamaica.
	51	Anotta Bay.
	52	Montego Bay.
	53	Savanna la Mar.
JAMAICA.	54	Port Royal, (Kingston.)
	56	Martha Brea.
	61	Morant Bay.
NEW GRENADA.	62	Curacoa.
	63	Buen Ayre.
	64	Margarita Isle.
	65	Cumana.
	123	Venezuela, ean, s.
	124	Laguayra.
	125	Porto Cabello.
	126	Paraguana.
	132	Maracaybo.
	134	Sta. Marta.
	135	Cartagena.
	136	Darien.
MEXICO.	142	Porto Bello.
	143	St. Juan di Nicaragua.
	145	Blewfields.

GEOGRAPHICAL TABLE. III.

A BALL OVER A WHEFT

To be shewn separately where best seen.

MEXICO.

146 Cape Gracias di Dios.
152 Poyais.
153 Honduras.
154 Omoa.
156 Balize.
162 Vera Paz.
163 Cape Catoche.
164 Campeachy.
165 Vera Crux.
213 Tampico.
214 Rio del Norte.
215 Texas.
216 St. Josef.

SOUTHERN UNITED STATES.

231 United States of North America.
234 Southern States, Statesman, men.
235 Louisiana, ian, s.
236 Mississippi.
241 New Orleans.
243 Mobile.
245 Alabama, ian, s.
246 Florida, ian, s.
251 Pensacola.

SOUTHERN STATES.

253
254 Gulf of Florida.
256 Gulf Stream.
261 St. Augustine.
263 St. Mary.
264 Georgia, ian, s.
265 Savannah.

ATLANTIC STATES.

312 Atlantic States, man, Statesmen.
314 South Carolina, ian, Carolinians.
315 Charlestown.
316 Georgetown.
321 North Carolina, ian, Carolinians.
324 Cape Fear.
325 Wilmington.
326 Cape Lookout.
341 Pamlico Sound.
342 Cape Hatteras.
345 Roanoake Inlet.
346 Albemarle Sound.
351 Currituck Sound.
352 Virginia, ian, s.
354 Cape Henry.
356 Norfolk.

GEOGRAPHICAL TABLE. III.

A BALL OVER A WHEFT

To be shewn separately where best seen.

ATLANTIC STATES.

361 James River.
362 Richmond.
364 Hampton.
365 Chesapeak Bay.
412 Rappahannock.
413 Potowmac River.
415 Alexandria.
416 Washington.
421 Patuxent.
423 Northern States, Statesman, men.
425 Maryland, er, s.
426 Point Lookout.
431 Anapolis.
432 Baltimore.
435 Susquehanna River.
436 Chester.
451 Cape Charles.
452 Delawarre, ian, s.
453 Cape Henlopen.
456 Delawarre Bay.
461 Pennsylvania, n, s
462 Philadelphia.
463 New Jersey.
465 Trenton.
512 Cape May.

NORTHERN STATES.

513 Egg Harbour.
514 Sandy Hook.
516 Staten Island.
521 New York, er, s.
523 New York, (city.)
524 Hudson River.
526 Albany.
531 Brooklyn.
532 Hurl Gates.
534 Long Island.
536 Montauk Point
541 Block Island, er, s.
542 Eastern States, New England, er, s.
543 Connecticut, ian, s.
546 New Haven.
561 New London.
562 Rhode Island, er, s.
563 Providence, R. I.
564 Massachusetts, man, men.
612 Buzzard Bay.
613 Martha's Vineyard.
614 Nantucket, er, s.
615 Chatham.
621 Cape Cod.

GEOGRAPHICAL TABLE. III.

A BALL OVER A WHEFT

To be shewn separately where best seen.

NEW ENGLAND.	623	Barnstaple.
	624	Plymouth.
	625	Boston.
	631	Marble Head.
	632	Salem.
	634	Cape Anne.
	635	Newbury Port.
	641	New Hampshire, man, men.
	642	Portsmouth.
	643	Vermont, er, s.
	645	Maine.
	651	Portland.
	652	Kennebeck.
	653	Wiscasset.
	654	Penobscot.
NEW BRUNSWICK.	1234	Castine.
	1235	Passamaquoddy Bay.
	1236	Bay of Fundy.
	1243	New Brunswick, Brunswicker, s.
	1245	St. John's.
	1246	Cumberland Basin.
NOVA SCOTIA.	1253	Nova Scotia, Acadia, n, s.
	1254	Basin of Mines.
	1256	Windsor.
	1263	Anapolis Royal.
	1264	Cape Sable.
	1265	Shelburn.
	1324	Liverpool, N. S.
	1325	Lunenburg.
	1326	Sambro Head.
	1342	Halifax.
	1345	Sandwich harbour.
	1346	Gut of Canso.
CAPE BRETON.	1352	Chedabucto.
	1354	Cape Breton.
	1356	Arichat.
	1362	Louisburg.
	1364	North Point.
	1365	St. Paul.
NEW BRUNSWICK.	1423	Magdalen Isles.
	1425	Prince Edward Isle
	1426	Pictou Harbour.
	1432	Shediac.
	1435	Richebucto.
	1436	Miramichi.
	1452	Chaleur Bay.

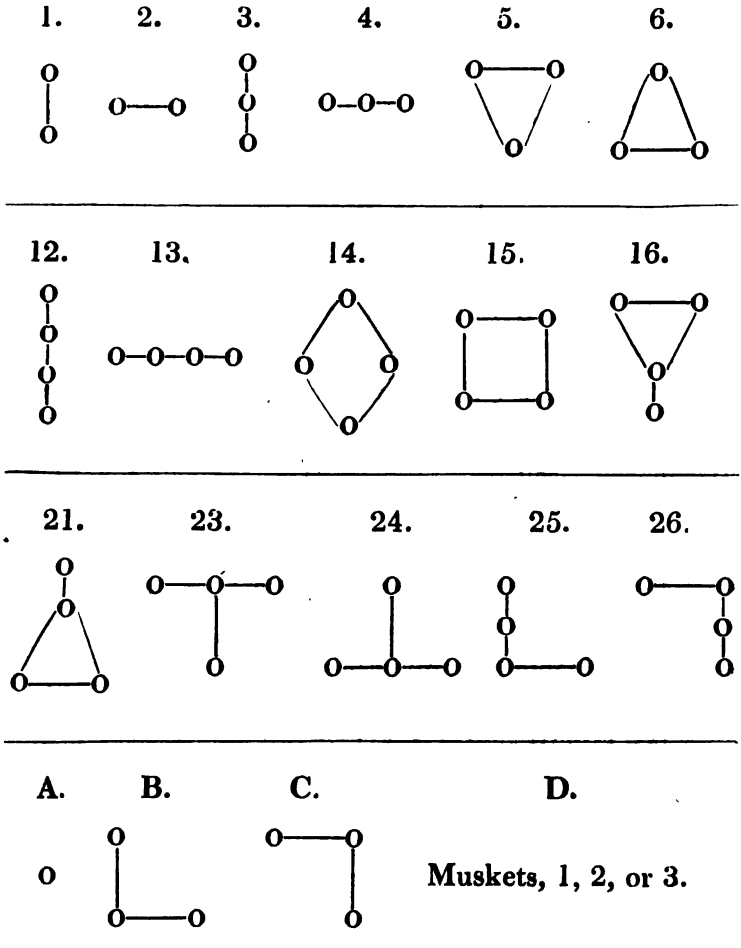
GEOGRAPHICAL TABLE. III.

A BALL OVER A WHEFT

To be shewn separately where best seen.

CANADA.	1453	Gaspe.	1645
	1456	Cape Roziere.	1652
	1462	St. Laurence river.	1653
	1463	Canada, ian, s.	1654
	1465	Isle Orleans.	2134
	1523	Quebec.	2135
	1524	Montreal.	2136
	1526	Anticosti.	2143
	1532	Newfoundland, er,	2145
		Newfoundlanders.	2146
NEWFOUNDLAND.	1534	Cape Ray.	2153
	1536	Miquelon.	2154
	1542	Placentia.	2156
	1543	Cape Race.	2163
	1546	St. John's.	2164
	1562	Trinity Harbour.	2165
	1563	Straits of Bellisle.	2314
	1564	Labrador.	2315
	1623	Hudson's Bay.	2316
	1624	Davis Straits.	2341
	1625	Baffin's Bay.	2345
	1632	Greenland.	2346
	1634	Cape Farewell.	2351
	1635		2354
	1642		2356
	1643		2361

NIGHT SIGNALS.



NIGHT SIGNALS.

A SINGLE LIGHT

To be shewn separately where best seen.

1 TELEGRAPH, distinguishing signal.
2 We are in great DISTRESS.
3 We are in SHOAL WATER.
4 We are in want of assistance from BOATS.
5 You are running into DANGER.
6 I have important INTELLIGENCE to communicate.
12 I wish to SPEAK with you.
13 A STRANGER is in sight.
14 TACK, or WEAR.
15 BEAR UP, or STEER the following course.
16 MAKE SAIL, (after laying to) or, make more sail.
21 SHORTEN SAIL.
23 HEAVE TO.
21 ANCHOR, if at anchor, WEIGH.
25 We are in want of a PILOT.
26 Unable to comply with the SIGNAL.
A ANSWER and stop to the sentences.
B STOP to the alphabet, and numeral signals.
C STOP to the vocabulary.
D STOPS to the geographical tables.

NIGHT SIGNALS.

Night Signals have not usually been introduced into any code intended for merchantmen; but it is obvious how frequently the safety of a vessel, or that of her crew, must depend upon their being able at once to make known their danger in the dark, so as to procure timely assistance; and it might often besides be of great importance, to give or receive intelligence in the night time.

In the present plan, one or two accompanying lights are introduced, in order to distinguish the signals from those in use on board ships of war.

The fifteen sentences given in page 134, are to be distinguished by a *single light* shewn separately at the mast head; the accompanying numbers being made with the forms indicated in page 133; but the same disposition of lights may be made applicable to any of the foregoing signals as a night telegraph, by substituting No. 1, *two lights* vertically disposed, for the distinguishing signal. In this latter case, the figures composing the number of any signal in the sentences, vocabulary, &c. should be given one by one, followed by a distinguishing *stop* at the end of each, when completed.

Thus a *single* light, used as a stop, following the last figure of any number, will refer to the *sentences*. *Three lights* disposed in form B. will be the stop for the *alphabet* and *numeral signals*. Form C. will indicate the *vocabulary*. And one, two, or three flashes or muskets, will mark the *geographical tables* I., II., and III.

The lights should be shewn, where practicable, at a distance of not less than twelve feet from each other.

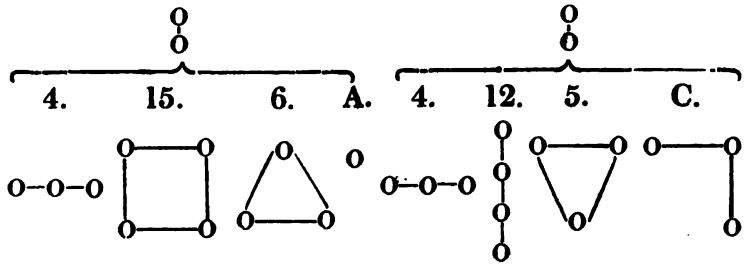
In any combination of three or four figures in the telegraph, if two of them should happen to be expressed by a single form in page 133, they need not be given separately. Thus, 1423, "Our boat is adrift, will you pick her up?" may be made in two signals,

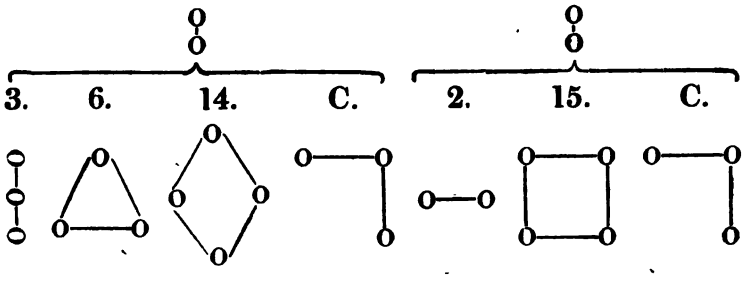
1.
14 23. See examples following.

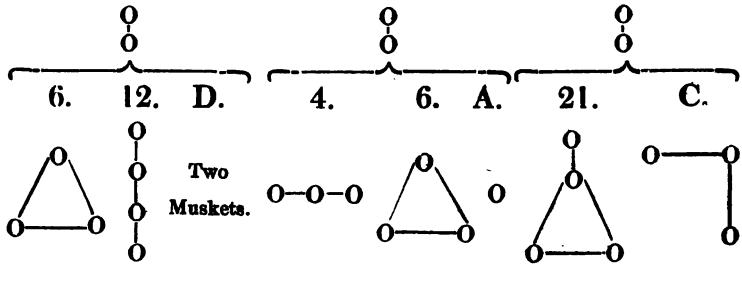
The answer is to be a *single light.*

If the night should be tolerably light, with sufficient wind to display the forms of the flags, the ordinary day signals might be made use of, since they are not distinguished by variety of colours.

EXAMPLES IN THE NIGHT TELEGRAPH.







"Be upon your guard against—a pirate—brig—off—Teneriffe—we have been attacked by—her."

FOG SIGNALS.

A. Minute guns to any number.

1 ● — ●

2 ● — ● ●

3 ● — ● ● ●

4 ● — ● ● ● ●

5 ● — ● — ●

6 ● — ● ● — ●

7 ● — ● ● ● — ●

8 ● — ● — ● ●

9 ● — ● — ● ● ●

10 ● — ● ● — ● ●

A. We are in great DISTRESS.
1 In DANGER, or SHOAL WATER.
2 In want of a PILOT.
3 TACK, or WEAR.
4 HEAVE TO.
5 Come to the wind on the STARBOARD tack.
6 Come to the wind on the LARBOARD tack.
7 MAKE SAIL, after laying by, or make more sail.
8 Alter COURSE one point to STARBOARD.
9 Alter COURSE one point to PORT.
10 ANCHOR, if at anchor, WEIGH.

FOG SIGNALS.

It may be necessary sometimes in thick weather, either to make signals of distress to a neighbouring shore, or to apprise vessels keeping company of some change in the course, or of danger, or other events. In the preceding scheme, by each *dot* is intended to be represented a gun, or musket;—by the *lines*, a pause of three or four minutes' duration;—and by the lesser *spaces*, an interval not exceeding forty seconds, between each discharge.

The answer is to be a single gun, or musket, after a delay of about ten minutes.

SIGNALS WITH BELLS.

Ships' Bells might occasionally be brought into use as a kind of telegraph during a fog, or at night time, where vessels may be anchored near to each other, and when it might be inconvenient to shew any lights.

For this purpose let a preparatory *peal* be first rung for the space of about *two* minutes, and if this be answered by another peal, or by a musket, the figures composing any signal in the sentences may next be given, by striking a corresponding number of blows upon the bell: leaving an interval between each stroke, of about thirty seconds; and between every figure, of about two minutes. When the whole number is complete, the peal should be again repeated and answered as before.

If two distinct peals follow the signal, it will refer to the vocabulary: it can scarcely be necessary to use the alphabet, numeral or geographical tables, under such circumstances.

EXAMPLE.

Preparative peal ——

• —— • • • • • • —— • • • • • —— • • • peal

• —— • • • • • • —— • • • • peal

• • • • • • —— • • —— • • • • two peals

1653 sentences—164 sent.—624 vocabulary.

"Lose no time in quitting this anchorage—we run great risk of —detention."

A gong, a loud drum, musketry, or a bugle, may be substituted for the bell.

CONVOY SIGNALS.

GUIDON, No. 3.

To be shewn separately where best seen.

1 ..	15 ..	41 ..	54 .
2 ..	16 ..	42 ..	56 ..
4 ..	21 ..	45 .	61 ..
6 ..	24 ..	46 ..	62 ..
12 ..	25 ..	51 ..	64 ..
14 ..	26 ..	52 ..	65 ..

Under ordinary circumstances, the sentences in the first part of this work might be found sufficient, perhaps, for all purposes of convoy; but in time of war it would become necessary to introduce some private signals, by which either particular movements might be directed when in sight of an enemy, or the presence of any stranger be immediately detected.

Such for instance as—

"We shall steer the following course immediately after dark: no lights to be shewn."

"A stranger has joined the fleet."

"Shew the number of your convoy instructions."

"The convoy signals are changed as follows."

Twenty-four numbers, therefore, are given above, to be filled up at the discretion of the vessel convoying.

If the plan here proposed should be generally adopted, there would be an evident advantage in using symbols common to most

merchantmen, who might thus be enabled to repeat all convoy signals: and with that view the following corresponding flags may be suggested for his Majesty's service.

Pendant	—White with red fly	to be used	for No. 1.
Flag	—Blue pierced white	....	for No. 2.
Guidon	—Yellow	....	for No. 3.
Cornette	—White with red fly	....	for No. 4.
Ball	—	....	for No. 5.
Vane	—Blue with two white crosses	....	for No. 6.'

The last being the only one required in addition to those now in use.

PRIVATE SIGNALS AND CYPHER.

Private Signals in time of war, or for commercial purposes, may easily be formed on the present plan, by merely altering the order of numbers in Plate 1, so that each flag should represent a different figure: excepting the ball only, No. 5, which as it occurs sometimes twice in the same number, must remain unchanged.

EXAMPLE I.

4152 sentences—235 vocabulary—145 vocab.—1456 vocab.—1425 vocab.—4153 vocab.—6.4.2.3.5.1. single flags—43 vocab. —1423 vocab.—4216 vocab.

"The message about to be made is intended to be private—instead of—present—numbers (1 2 3 4 5 6) use—flags—6.4.2.3.5.1. —for—private—signals."

After the changes shall have been noted down in the column marked "Priv. Sig." plate 1, or otherwise; the communication may proceed with the altered flags: the vane (No. 6.) representing number 1; the cornette (4) representing 2, &c.; so that 3216 would be made by the flag, cornette, vane, and pendant.

EXAMPLE II.

Sentences 3216—sent. 3241—geog. tab. I. 3625—geog. tab. III. 234—vocab. 512—vocab. 1462—vocab. 655—vocab. 563—sent. 3542—geog. tab. III. 542—sent. 3562—vocab. 5512—vocab. 21—vocab. 516—vocab. 5251.

"Will you give the following information to—our consul at—Havre. The Southern States (N. America)—have—formed—a separate—union. There is a new tariff in—New England—a heavy duty has been laid upon—manufactures—She—is—arming."

If the intended use of private signals should not follow immediately upon the alterations in the numbers of the flags being notified, any message subsequently given should be prefaced by a signal to that purport. As—

EXAMPLE III.

4135 sentences—"Use the private signals."

Sentences 2136—sent. 2415—vocab. 2156—sent. 523—sent. 465—numeral 63.

"What do you think of the strangers? They are suspicious. What do you intend doing? We shall tack at nine o'clock."

When a Cypher is required to be used for any secret correspondence, some key must previously be arranged, substituting other figures, or letters, or characters, for the numbers attached to each signal; and certain marks would also be necessary, in order to distinguish the different parts of the book, to which the Cyphers may refer.

Thus, a *line* underneath the number, might signify sentences:

A *line above*, with *stops* following, the alphabet and numeral signals:

Numbers from the vocabulary may be written without any mark:

And one, two, or three *oblique lines*, might indicate the first, second, or third geographical tables:

EXAMPLE:—2561 53. 4135 3556 582 551 23 //

"It is three days since we parted from—the allied—fleets—preparing—to pass—the Dardanelles."

EXAMPLE ACCORDING TO THE PRECEDING SCHEME.

KEY.

For	1.	2.	3.	4.	5.	6.	
Substitute	9.	8.	7.	6.	5.	4.	*or*
	a.	e.	i.	o.	u.	b.	*or*
	ᗝ.	|.	Ɔ.	ᗡ.	–.	C.	

Cypher	aibe	78	bo.	aboi	574	eo	8597
							ai. 7. eb.
	ᗝƆC|	Ɔ|	Cᗡ.	ᗝCᗡƆ	–ƆC	|ᗡ	|–ᗝƆ
							ᗝƆ. Ɔ. |Ɔ.

Decyphered { 1362 sent.—32 vocab.—64 numeral—1643 sent.—53 vocab.—24 vocab.—2513 vocab.
13. 3. 26. alphabet.

Signification { "I shall send a boat on shore—at—ten—be prepared for—making—your—escape.
H. C. P."

A more complicated disguise might be formed by using several different letters, to represent a single figure; or, by multiplying the characters, and forming them into a running hand, and mingling them with the letters and numbers; or, by having different mutations in the key, after a certain number of lines or words should have been written, or upon some arbitrary sign being added.

If it should be required to establish a cypher with its key by means of signals, this intended application of any given change in the numbers, or the substitution of any letters for them, should be notified by using the numeral signal 526 for that purpose. See page 25. The cypher may then be marked in its proper column, plate 1.

DISTANT SIGNALS.

	Ball at the Main.	Ball at the Fore.	Two Balls at the Main.	Two Balls at the Fore.	A ball at each Mast head.
Main royal or top-gallant sail lowered on the cap	1	1654	3645	5124	5214
Fore royal or top-gallant sail lowered on the cap	3	2134	3652	5132	5241
Main royal or top-gallant sail hoisted, and clewed up	4	2163	3654	5136	5246
Fore royal or top-gallant sail hoisted, and clewed up	6	2356	4615	5142	5314
Fore and main royals or top-gallant sails lowered on the cap	126	3154	4621	5143	5326
Fore and main royals or top-gallant sails hoisted, and clewed up	562	3215	4623	5146	5346

By means of the above table, some of the more important signals may be made with the aid only of the upper sails, and one or two balls: they would be discerned, perhaps, when owing to calms, or too great distance, the forms of the flags might not be distinguishable.

The answer should be an ensign at the mast head, or the signal repeated.

The numbers refer to those among the sentences, which have been marked by an asterisk.

EXAMPLE.

4. "An enemy is in sight."

SEMAPHORE & MANUAL TELEGRAPH.

A Semaphore, of very simple construction, may be used to express any of the foregoing signals.

It should consist of a beam or staff, having two moveable arms at the upper extremity, to one of which a circular board or ball may be fixed. If it be a permanent construction and of sufficient size, the ball or index arm, may be placed at the upper end; having the plain or numeral arm about twelve feet below it,—each being six feet in length: but if a machine of more portable form be required, one arm alone would suffice, the ball being attached and removed at pleasure.

The figures of each number must be first given with the plain arm, followed by a distinguishing stop with the ball or index arm, pointing out that part to which the signal refers. Or, if there be two arms, the upper or indicatory sign may accompany the numbers. From the rapidity with which the arms could be moved, little time would be lost in thus giving the figures one by one.

The distinguishing sign for the geographical tables must be repeated a second or third time, for parts II. and III.

EXAMPLES.—4,2,6,5. stop to sentences—4,2,1,3. stop to sent. —3,5,2. stop to geog. tab. twice made.

"You must perform quarantine; has the plague ceased at Alexandria?"

6,3,1. vocab.—4,3,2. sent.—3,6,1,4. vocab.—3,4,5. sent.—4,1,2,3. vocab.

"Keep in shore (the) brig (bearing) south-west (is a) privateer." See plate 3.

The semaphore might easily be imitated in case of necessity, by a single individual, with no other apparatus than a hat, stick, and handkerchief.

Thus, let the person signalising first shew the figures of any number by extending his stick at arm's length, with a handkerchief appended—

In the right hand	....	for No. 1.
Immediately above the head	....	for No. 2.
In the left hand	....	for No. 3.

A hat at the extremity of the stick, with the handkerchief displayed below it—

In the right hand	....	for No. 4.
Above the head	....	for No. 5.
In the left hand	....	for No. 6.

These should be followed by a distinguishing signal with the hat *alone*,—

In the right hand	... .	for sentences.
Above the head	....	for alphabet and numerals.
In the left hand	....	for the vocabulary.

And a handkerchief fastened cornerwise, shewn once, twice, or thrice, for the geographical tables I., II., or III.

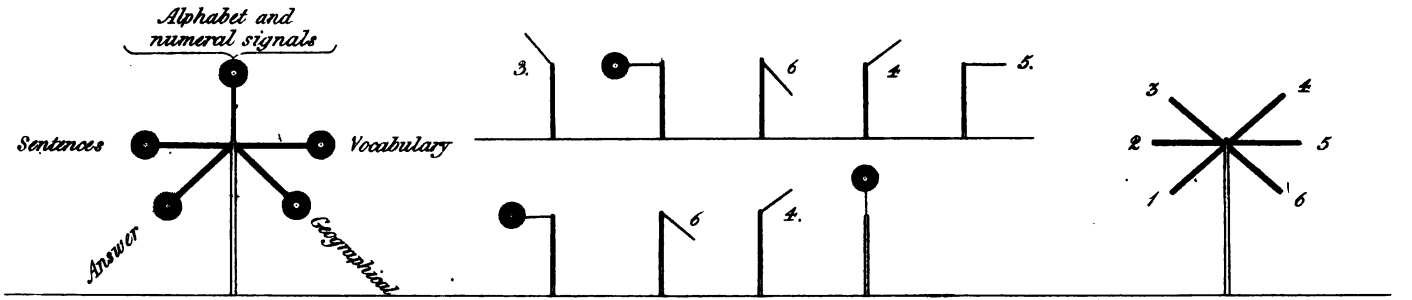
The latter might serve also for an answer.

EXAMPLES.—2,3,1. stop to sentences—6,3. stop to sent.

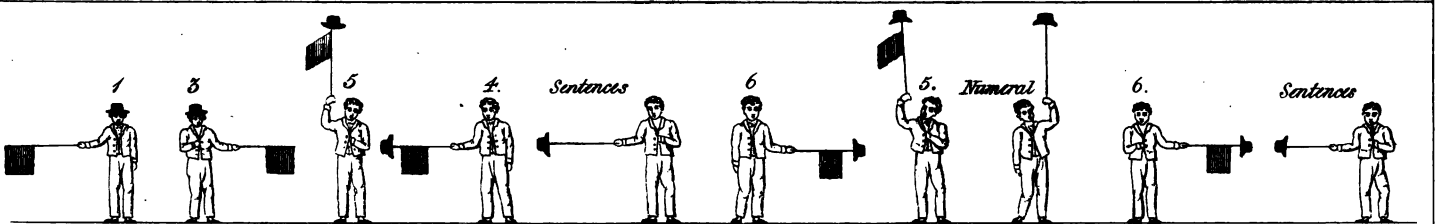
"Do not attempt to leave the vessel, assistance will be sent you immediately."

2,3. sent.—5,5,1,3. vocab.—3,2,4,6. vocab.

"We are in want of empty casks." See plate 3.



Semaphore. 3. (sentences) "you are running into danger" 645. (sentences.) "the bar may be crossed at" 64. (numeral) "ten"



Manual telegraph. 1354. (sentences) "will you meet me on shore" (at) 65 (numeral) "eleven". 6 (sentences) "I have important intelligence to communicate"

Boat signals. 3215. (sentences) "I have dispatches for". 2.4. (Vocabulary) "you".

BOAT SIGNALS.

It happens not unfrequently that Boats are detached to a considerable distance, either to procure supplies, or for the purpose of sounding, or in pursuit of some vessel; when it might be desirable to make a direct communication, without the necessity of returning on board.

The following plan will be found adapted to the means with which almost every boat is provided, or which may be supplied at a very trifling expence. They consist in two balls, a flag, and pendant; for which, however, may be substituted a hat, or jacket rolled up; a handkerchief, displayed square; or one tied cornerwise. They should be shewn at the end of an oar or staff.

In making any message, the figures as represented below, must be first given as in the semaphore, followed by a distinguishing stop when the number of each signal is completed; and that for the geographical part, should be repeated once or twice, for tables II. and III. The answer to be a pendant.

NUMBERS.

Ball over Pendant.	Pendant over Ball.	Ball over Flag.	Flag over Ball.	Pendant over Flag	Flag over Pendant.
1.	2.	3.	4.	5.	6.

DISTINGUISHING STOPS.

Sentences.	Alphabet, and Numeral Signals.	Vocabulary.	Geographical Tables.
A Ball.	A Flag.	Two Balls.	A Pendant.

EXAMPLES.

5,3,4. stop to sentences—5,6. stop to numerals. "I have sounded in six fathoms."

4,5,6,2. sent.—3,6,1,5. geographical table I. "I have a passenger for Dieppe."

2,4,1,5. sent.—3,6,5,4. vocabulary. "The vessel is a smuggler." See plate 3.

LOCAL AND PILOT SIGNALS.

No. 7. To be hoisted separately where best seen.

1 We are engaged at PRAYERS.
2 There will be PRAYERS at ——.
3 There will be a public MEETING at —— .
4 Our CONSUL is on board.
5 You are requested to meet the CONSUL.

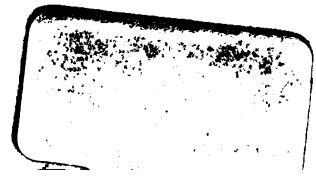
As it may be found desirable sometimes to point out more particularly the sea-marks, shoals, and channels, in the neighbourhood of any anchorage; number 6, hoisted vertically, (as No. 7. above) and shewn separately, will distinguish the signals for these, and other local objects.

The pilots and traders of each sea-port, will best be able to decide upon such communications as may be necessary: these may afterwards be collected, and arranged alphabetically in a supplementary part.

It would not be requisite that such signals should be generally intelligible to foreigners: they will be different of course in every separate country: the first five, however, are given, that they may be understood by all.

SHIPPING LIST.

Initial letter.	Number.	Name.	Nation.	Description.	No. of		Place where belonging.
					Tons.	Guns.	
A	12	Abeona	British.	Ship.			Liverpool.
..	13	Albion.	..	S.	700		Bristol.
B	12	Bolton.	B.	S.	600		London.
..	13	Bristol.	American.	S.	600		New York.
C	23	Cambrian.	British.	Frigate.		46	

If any general List of Shipping should be added hereafter, it will be given in the above form: each name being made by two distinct signals—the initial letter, from the alphabetical signals, and a number. This would distinguish them from all other communications, and will admit of many thousand names.

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